



0985
ISO/IEC 17024
Personnel Certification Program

Energy Auditor

CERTIFICATION SCHEME HANDBOOK



Notice

Anyone interested in becoming BPI certified as an Energy Auditor, will need to know the scope of the certification and all requirements.

This certification scheme handbook outlines the knowledge, skills and abilities needed for individuals to be certified as an Energy Auditor.

Information in this scheme handbook represents the policies at the date of publication for the BPI Energy Auditor certification. Information in this scheme handbook supersedes information contained in any previous published documents.

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Acknowledgements

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Disclaimer

Eligibility standards, exam content, exam standards, fees, and guidelines are subject to change. BPI will keep the most up-to-date version of this document posted at www.bpi.org. Prior to participating in any available service through BPI, check to ensure that you have based your decision to proceed on the most up-to-date information available. BPI reserves the right to modify documents prior to accepting any application.

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1. About BPI

Founded in 1993, the Building Performance Institute (BPI) is the nation's premier certification and standard-setting organization for home performance professionals. BPI is accredited by the American National Standards Institute, Inc. (ANSI) as a developer of American National Standards and as a certifying body for personnel credentials. BPI develops the technical standards for home energy audits and for energy efficiency, health, and safety improvements. From these standards, BPI develops rigorous online and field exams resulting in one of BPI's 14 professional certifications. BPI understands the importance of impartiality in carrying out its certification activities, manages conflict of interest and ensures the objectivity of its certification activities.

BPI also offers three programs ([BPI GoldStar Contractor](#) for companies, [Rating Program](#) for raters, and [BPI Product Listing](#) for manufacturers) and three certificates ([Building Science Principles](#), [Healthy Housing Principles](#), [Site Supervisor](#)). BPI Certified Professionals hold over 12,000 active certifications supported by over 100 BPI Test Centers and 250 Proctors nationwide. BPI has BPI Goldstar Contractors across the country.

BPI is a 501(c)3 corporation registered in the state of New York. The corporation was incorporated on January 18, 1996 and the corporation number is 14-1789014. The objective of the corporation is to provide credentialing for individuals and corporations involved in the residential retrofit industry. BPI is headquartered in Saratoga Springs, NY.

2. BPI Certification Schemes

BPI offers individual certification in a number of areas in the residential retrofit industry.

The certification schemes are developed and then reviewed on an on-going basis by scheme committees made up of subject matter experts (SMEs) – individuals with the credentials and experience within the industry. The scheme committee review statistics, industry changes and current certification scheme requirements on a regular basis.

Industry input on each certification scheme is encouraged. The scheme committee members will seek input from external sources including, but not limited to:

- industry associations
- professional groups
- government agencies
- consumer/owner advocacy groups

The certification outlined in this scheme handbook is for energy auditors who are involved in the retrofit of existing residential buildings. For a full listing of certifications, see the www.bpi.org website.

For individuals to become BPI Energy Auditor (EA) certified, successful completion of a multiple-choice exam to confirm the candidate's knowledge and skills and a practicum evaluation is required to confirm the candidate's abilities.

To be certified by BPI, the candidate is not required by BPI to undergo any specific training, whether that would be on-site job training or classroom training, however, prerequisite criteria must be met. BPI does not approve any training programs. It is up to the individual to decide what training they want to take and where to take it, as it is solely their decision.

The requirements for this certification will be reviewed every five years and modified as required by the scheme committee with input from the residential retrofit industry. Modifications to the certification scheme will be made by BPI on the basis of the non-compliance cases, feedback from industry and technical changes to materials, components, systems, building codes or other relevant items.

3. Outline of the Energy Auditor Certification

This certification scheme handbook outlines the knowledge, skills and abilities requirements for the Energy Auditor (EA) certification.

The scheme defines the scope of the EA certification as the following; an energy auditor is a residential energy efficiency professional who evaluates the energy efficiency, health and safety of a home, and conducts field measurements to identify areas for savings. The energy auditor produces this information as a report and makes recommendations to the customer. A committee of subject matter experts (SMEs) considered to be experts in the field created the Energy Auditor Job Task Analysis (JTA).

This document is intended to include all the tasks an energy auditor may perform, as well as the knowledge, skills, and abilities required to do these tasks.

Please note that certification is not a license to practice. All Certified Professionals must comply with applicable federal, state and local laws and regulations governing the profession.

4. Preparing for the EA Exam(s)

There are prerequisites to take the exams that, if successful, will lead to certification. Before you register for the exam:

- Download the latest version of the BPI Energy Auditor scheme handbook from www.bpi.org
- Read and understand all information
- Refer to the Job Task Analysis section to be sure that you understand and can perform the tasks required for this certification
- Obtain reference materials for the multiple-choice and/or field exams and study well in advance of taking the exam(s)
- Download the *Application for BPI Energy Auditor Certification* from www.bpi.org and submit to HEPCertification@bpi.org. *Application processing could take several weeks before a candidate will receive an approval letter to take the exam. It is recommended that a candidate submit their application at least thirty (30) days prior to their preferred exam date. Please do NOT schedule your exam date(s) until you receive your approval letter from BPI.*

4.1 Prerequisites

All items below are required prior to taking the multiple-choice and/or field certification exams:

Experience:

- Minimum of 1,000 hours of relevant experience, during which the candidate has accomplished one or more of the following roles within the last five (5) years:
- Field / technical position within the home performance or related field, **OR**
- Performing audits in a building science trade, **OR**
- Trainers of BPI Field Proctors may qualify under the experience requirement with proof of 1,000 hours of relevant training or field proctoring (or a combination of both)

Energy Modeling:

- In the past five (5) years:
- Candidate has completed and must submit ten (10) energy models that comply with the specifications identified in the current version of [ANSI/BPI-1100-T](#), Section 2.2 for energy audit reports and also include an analysis of the savings to investment ratio or simple pay back of measure installations, **OR**
- Candidate has successfully completed training (minimum of 6 hours) in energy modeling that complies with the specifications identified in the current version of [ANSI/BPI-1100-T](#), Section 2.2. The training must include an end of course assessment of which the candidate must provide proof of a passing score, **OR**
- Candidate is a designated trainer of energy modeling that complies with the specifications identified in the current version of [ANSI/BPI-1100-T](#), Section 2.2, for an organization.

***Providing on-the-job training does not fulfill this requirement**

Additional Requirements:

Candidate must obtain a minimum of **20 points** from any combination of activities below within the last five (5) years:

- Building Trades Experience (framing, roofing, drywall, siding, weatherization, energy audits, QCI inspections, etc.); **maximum of 10 points**
 - **5 points** for each 1,000 hours
- Training from industry specific training center (training whose content aligns with the content of the job task analysis for the certification); **maximum of 10 points**
 - **5 points** for every 40 hours
- Related industry certifications [Residential Energy Services Network (RESNET), BPI, North American Technician Excellence (NATE), Environmental Protection Agency (EPA)]. Other certifications also considered through application; **maximum of 10 points**
 - **5 points** per certification

For company employees:

BPI accepts a signed certificate or a signed letter, on company letterhead, from current and/or past employers documenting work experience. For the applicant's convenience, a standard template letter is included with the Energy Auditor certification and renewal applications. Simply print the template on company letterhead, fill out the requested information and have it signed by a supervisor.

For individuals who are self-employed, BPI accepts a letter containing:

- An Employer Identification Number (EIN) or other documentation showing how long your company has been in business.
- Number of jobs completed over the last year, including customer contact information and a brief description of each job (e.g. energy audit, air sealing, insulation). BPI will randomly contact customers to verify information given.
- For those documenting energy audits completed, include documentation showing us PO of blower door and pictures of equipment, along with some completed examples of the reports issued to the customer for the energy audit.

Candidates for certification must bring the approval letter sent by BPI to the Test Center where the exam(s) will be administered as proof of meeting the prerequisite criteria. **Candidates will not be permitted to take any exam(s) without providing the approval letter to the Test Center.**

4.2 Special Testing Accommodations

Candidates in need of special testing accommodations, such as a language barrier, or arrangements for persons with disabilities, should submit the appropriate forms as noted in Appendix (D and E).

Candidates under the age of 18 will need to submit the *BPI Parental or Guardian Consent and Waiver of Liability Form for Candidates Under the Age of 18* as noted in Appendix F. Candidates will not be allowed to proceed with taking any BPI exams unless this form is signed and completed.

It is highly recommended that you submit your request for accommodation at least thirty (30) days prior to your preferred exam date.

4.3 Proof of Identity

Candidates must provide valid photo identification prior to taking the exam(s). Please make sure that when registering for the exam(s), the name used is the same that is listed on the valid photo ID.

Examples of acceptable forms of photo ID are:

- driver's license
- state issued photo ID
- passport
- military identification

- employee identification card

4.4 Certification Fees and Scheduling

BPI certification exams are provided through BPI Test Centers. Please reach out to a local BPI Test Center for fees and scheduling details of exams, as they will vary from Test Center to Test Center. To locate a BPI Test Center, please go to the BPI website (www.bpi.org) and select **Locator** from the top of the page.

BPI does not set schedules for its Test Centers, nor does BPI collect the exam fees.

4.5 Field Testing Environment

In order to ensure fairness in testing, each field exam must be conducted at a BPI pre-approved test site that incorporates the minimum criteria listed below. Field exams conducted at a site that does not meet these minimum criteria will be void. While it is the proctor's responsibility to find a suitable test site, the candidate should also be aware of these requirements to avoid potential testing issues.

- Must NOT be a potentially hazardous environment (including but not limited to asbestos – like material, mold and mildew in excess of 10 square feet of surface area, etc.)
- A test site capable of supporting blower door set-up, measurement, and diagnostics
- Accessible attic with at least some form of attic ventilation (gable, soffit, ridge, etc.)
- Refrigerator, dishwasher, or dehumidifier with accessible manufacturer's data plate
- Must have at least one fossil fuel burning appliance used for space heating (e.g. gas, propane, oil etc. Solid fuel appliances do not count)
- At minimum one atmospherically vented combustion appliance
- A ducted distribution system (must contain ductwork)
- Gas Domestic Hot Water (DHW)
- Gas line (natural gas or propane)
- Forced Air Furnace
- Vented clothes dryer
- Bathroom exhaust fan
- At least one exterior door
- At least one window
- Gas range

Please be aware that during the performance exam, the proctor may ask questions in relation to line items on the field exam form for clarification purposes only. Proctors should not be asking any other

type of questions, and are NOT permitted to ask questions unrelated to, or above and beyond the scope of the line items on the field exam form. If a candidate feels that they were asked questions that were inappropriate, please complete the [Complaint Form](#) located at www.bpi.org.

5. Multiple-choice Exams

For the Energy Auditor certification, a multiple-choice test instrument has been developed by BPI in conjunction with the Department of Energy and the National Renewable Energy Laboratory in order to ensure competency in the critical tasks defined by industry experts.

The multiple-choice exam is comprised of one hundred (100) questions to cover knowledge and skills and will be timed at two (2) hours. The multiple-choice exam consists of multiple versions, each determined to have its own minimum passing score through psychometric analysis and the Modified Angoff standard-setting procedure. The results page during the online exam session will indicate whether a candidate was successful or not based on the version they were administered.

The passing score for both Form A and Form B is 70%.

Candidates may challenge the EA online exam up to six (6) times in a one-year period. The one-year period begins after the first unsuccessful attempt of the exam, after which time a candidate will have five (5) more attempts to successfully challenge the exam. There is a cost for each exam. BPI permits twelve (12) months to complete the certification process from the time a candidate takes the first exam. Candidates who do not complete the certification process within the one-year period must retake both the online and field exams.

This exam is a closed-book exam; with the exception of BPI Standards and the Standard Work Specifications (SWS), which are available online via the testing site at the time of the exam (no marked copies of the standards will be permitted during the multiple-choice exam). Any papers used to take notes, create diagrams, or record diagnostic results (scrap paper) may not leave the testing environment. All papers must be handed to the proctor to be destroyed.

Future discussion or disclosure of the content of the exam, orally or in writing, or by any other means, is prohibited. Theft or attempted theft of exam items is punishable to the fullest extent of the law. Candidates will be observed at all times by a BPI approved Proctor while taking the exam. This includes direct observation by the BPI approved Proctor, as well as audio and video recording of the exam. The participation in irregular behavior during the exam may result in the invalidation of the results of the exam, termination of status, civil liability, criminal prosecution, or other appropriate sanctions.

6. Practicum (Field) Evaluation (Abilities)

A practical evaluation to determine the candidates' abilities has been developed by BPI in conjunction with the Department of Energy and the National Renewable Energy Laboratory in order to ensure competency in the critical tasks defined by industry experts. This will provide documented evidence that the candidates have the appropriate abilities.

The practicum evaluation exam is constructed where candidates are requested to perform a task. Their abilities are then evaluated based on a predetermined set of criteria.

The candidates will follow the outline in the Ability sections of the Job Task Analysis section in this document.

The time limit for the practicum evaluation is four (4) hours. This exam is an open-book exam (the only reference not permitted is assistance). Any papers used to take notes, create diagrams, or record diagnostic results (scrap paper) may not leave the testing environment. All papers must be handed to the proctor to be destroyed.

Five (5) of the field exam line items are gated items and must be completed successfully in order to pass the exam; regardless of any other exam score:

- Candidate prepared combustible gas and CO measurement for use
- Candidate tested indoor ambient CO levels and compared results to current version of ANSI/BPI-1200
- Candidate tested indoor ambient air and verbally confirmed that combustible gases are below 10% of LEL on each floor
- Candidate monitored and stated ambient CO levels measured in the CAZ during entire combustion safety testing
- Candidate set combustion appliance to pilot or standby

The passing score on the remaining tasks is 82%.

Candidates may challenge the EA field exam up to six (6) times in a one-year period. The one-year period begins after the first unsuccessful attempt of the exam, after which time a candidate will have five (5) more attempts to successfully challenge the exam. There is a cost for each exam. BPI permits twelve (12) months to complete the certification process from the time a candidate takes the first exam. Candidates who do not complete the certification process within the one-year period must retake both the online and field exams.

The practicum evaluation is administered through BPI Test Centers at various locations across the United States. Please go to the BPI website (www.bpi.org) and select **Locator** at the top of the page to find a BPI Test Center near you.

7. Job Task Analysis

The Knowledge, Skills, and Abilities required for this exam are on the following pages.

- Knowledge, typically shown on online or verbal exam
- Skill, typically shown on online exam, diagram, or interactive tool
- Ability, typically demonstrated on prop or in house

| DOMAIN 1: Collection of Visual, Material, Dimensional and Appliance Information about the Building for an Energy Audit | |
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| <i>Task 1: Document energy consumption</i> | |
| Ability to: | |
| • | Obtain 12 months of client utility bills |
| • | Obtain annual fuel delivery information (oil, propane, etc.) |
| Knowledge of: | |
| • | How to access utility information |
| • | Utility bill components |
| <i>Task 2: Document the building history</i> | |
| Ability to: | |
| • | Determine the age of the original structure |
| • | Determine the age of any additions or improvements |
| • | Determine if the building has any historical significance |
| Knowledge of: | |
| • | Where to access property records |
| <i>Task 3: Conduct a physical/visual inspection</i> | |
| Ability to: | |
| • | Identify holes, chimneys, gutters, vent pipes, soffits, fascia, peeling paint, foundation integrity, areas of infiltration and exfiltration, exhaust fan penetrations, accesses, crawl spaces, roof vents, land grading, shading, orientation of the building, and anomalies |
| • | Identify pest/vermin infestations, evidence of leaking or water damage, and structural damage |
| • | Identify hidden rooms or spaces |
| • | Identify the exterior materials (e.g., vinyl, brick) |
| • | Identify issues that would interfere with or prevent tests |
| • | Identify potentially hazardous materials in the building |
| • | Detect abnormalities by using all senses (e.g., unusual odors, sounds) |
| • | Identify health and safety issues (e.g., clutter, bleach stored next to a furnace, asbestos-containing materials) |
| • | Perform visual inspection of a vented combustion appliance venting configuration |
| • | Identify a combustion appliance zone (CAZ) |
| • | Visually inspect adjacent and/or connected buildings for issues that impact or could be impacted by the audited building |
| • | Determine applicable codes and standards (e.g., ICC, NFPA) |
| Knowledge of: | |
| • | General construction |
| • | Combustion appliance venting procedures |
| • | Issues that pose a health and/or safety risk (e.g., clutter, bleach stored next to a furnace, animal feces, asbestos-containing materials, hazardous materials) |

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| • | Situations that pose a health and/or safety risk |
| • | Sources of moisture |
| • | The Occupational Safety and Health Administration (OSHA) safe work practices (e.g., confined spaces) |
| Task 4: Collect health and safety data | |
| Ability to: | |
| • | Locate existing smoke/carbon monoxide alarms |
| • | Determine age and functionality of smoke/carbon monoxide alarms |
| • | Determine if smoke/carbon monoxide alarms are hardwired or battery-powered |
| • | Verify that a clothes dryer is properly vented to the exterior |
| • | Verify that all exhaust fans are properly vented to the exterior |
| • | Identify any existence of hazardous materials/conditions |
| • | Identify knob-and-tube wiring |
| • | Identify moisture issues (e.g., standing water, condensation, plumbing leaks, mold) |
| • | Identify potential electrical hazards (e.g., frayed wiring, open junction boxes, overloaded circuits) |
| • | Identify suspected asbestos-containing materials |
| • | Identify potential lead-based paint hazards |
| • | Identify vented and unvented combustion appliances |
| • | Identify a properly operating backdraft damper |
| • | Identify conditions that promote radon infiltration |
| • | Identify other potential indoor air quality hazards (e.g., volatile organic compounds) |
| Knowledge of: | |
| • | Proper locations for smoke/carbon monoxide alarms |
| • | Venting requirements for appliances |
| • | Conditions that signify or promote moisture problems |
| • | Domestic water heater safety |
| • | Electrical hazards |
| • | Hazardous materials |
| • | Heating system safety |
| • | How to determine if knob-and-tube wiring is active |
| • | Issues and hazards associated with asbestos-containing materials |
| • | Issues and hazards associated with lead-based paint |
| • | Manufactured home water heater regulations |
| • | Rules and regulations pertaining to lead and asbestos-containing materials |
| • | Smoke/carbon monoxide alarm operations |
| Task 5: Collect appliance and base load information | |
| Ability to: | |
| • | Collect household appliance tag data (e.g., refrigerator, dishwasher, dehumidifier) |
| • | Collect heating/cooling appliance tag data and documentation |
| • | Determine combustion appliance zone (CAZ) volume |
| • | Identify appliance energy source(s) |
| • | Collect water fixture flow rates |
| • | Identify other components related to the Heating Ventilation and Air Conditioning (HVAC) appliances (e.g., expansion tanks, fill valves, remote compressors, smart thermostats) |
| • | Identify other components related to the domestic water heater appliance (storage tanks, mixing valves, etc.) |
| • | Identify safety features related to the HVAC and domestic water heater appliances |
| • | Collect lighting data (e.g., type, fixtures, wattage, usage) |

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| • | Identify the number of occupants |
| • | Determine client energy usage habits (e.g., Audio/Visual, computers) |
| • | Look for additional usage sources (e.g., hot tubs, pool pumps, pool heaters, fish ponds, fountains) |
| • | Collect electrical service information (e.g., size, brand) |
| • | Identify base loads |
| Knowledge of: | |
| • | Various appliance types and energy sources |
| • | Codes and standards adopted by the authority having jurisdiction (e.g., National Fire Protection Agency (NFPA) 54) |
| • | Domestic water heater components and operation |
| • | Heating/cooling system operations |
| • | Safety issues associated with domestic water heaters |
| • | Water fixture operations and flow rates |
| • | Domestic hot water heating technologies |
| • | How occupant behavior affects energy consumption |
| • | The definition of base load |
| • | Utility bill analysis, including base load calculation |
| Task 6: Identify a conditioned building enclosure | |
| Ability to: | |
| • | Identify and record pertinent building dimensional data |
| • | Determine conditioned, unconditioned, and unintentionally conditioned spaces |
| • | Assess alignment of thermal and pressure boundaries |
| Knowledge of: | |
| • | Pressure boundary identification |
| • | Thermal boundary identification |
| • | Various building components |
| • | Proper pressure and thermal boundary alignment |
| Task 7: Collect mechanical ventilation data | |
| Ability to: | |
| • | Collect tag data for exhaust fans |
| • | Determine the volume of the affected space |
| • | Determine the type of control |
| • | Determine the condition of the ventilation ductwork/piping (e.g., pitch, insulation, size, material, elbows, length of run, terminations) |
| Knowledge of: | |
| • | Controls and motors |
| • | Types of ventilation |
| • | Ventilation ductwork |
| • | Ventilation standards and codes of authority having jurisdiction |
| Task 8: Identify building insulation (attic, walls, and foundation/subspace) | |
| Ability to: | |
| • | Identify insulation type |
| • | Measure insulation (e.g., thickness) |
| • | Identify insulation condition and coverage |
| • | Identify presence and placement of vapor retarder |
| • | Identify the location of insulation (e.g., exposure, aligned with pressure and thermal boundaries) |
| Knowledge of: | |
| • | Building science |
| • | Insulation effectiveness |

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| • | Insulation R-values |
| • | Effective R-values |
| • | Insulation placement |
| • | OSHA safety requirements |
| • | General thermography principles |
| Task 9: Collect attic data | |
| Ability to: | |
| • | Identify attic components (e.g., drop soffit, rafters, joists) |
| • | Determine existing ventilation type and size (e.g., soffit, ridge, power ventilators) |
| • | Identify heat sources (e.g., recessed lights, chimneys, flues, furnaces) |
| • | Identify sources/signs of water damage |
| • | Identify bypasses between attic and conditioned space |
| • | Identify types and point(s) of access |
| • | Identify potential electrical hazards |
| • | Identify pest/vermin infestations |
| • | Recognize potential structural integrity issues |
| • | Identify a whole-house fan |
| • | Determine attic uses |
| • | Note the existence and effectiveness of radiant barriers |
| • | Identify the existence of baffles |
| Knowledge of: | |
| • | Attic components |
| • | General construction terms |
| • | Infiltration points |
| • | Required clearance to combustibles |
| • | Potential safety hazards in an attic (e.g., electrical hazards, nails, rafters, heat exposure) |
| • | Signs of water damage |
| • | Signs of pest/vermin infestations |
| • | General thermography principles |
| • | Ventilation requirements |
| • | OSHA safety requirements (e.g., ladder usage, confined spaces) |
| Task 10: Collect wall data | |
| Ability to: | |
| • | Identify wall types and components (e.g., interior, exterior) |
| • | Identify framing method |
| • | Identify wall orientation |
| • | Identify sources and signs of any water damage |
| • | Identify infiltration points |
| • | Identify signs of pest/vermin infestation |
| • | Identify upper stories |
| • | Identify wall exposure |
| Knowledge of: | |
| • | General construction |
| • | Building science |
| • | Infiltration points |
| • | Typical wall framing and components |
| • | Issues unique to framing methods (e.g., use of upper story band joists, angle bracing in post and beam framing) |
| • | General thermography principles |

| Task 11: Collect window and door data | |
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| Ability to: | |
| • | Identify window type (e.g., jalousie, awning, single-hung, double-hung) |
| • | Identify window frame material |
| • | Identify window glazing type (e.g., reflective, low-E) |
| • | Identify exterior shading |
| • | Identify window operation/leakiness |
| • | Identify window orientation |
| • | Identify general window conditions |
| • | Identify door type and swing |
| • | Identify condition of a door, including hardware, door sweep, seals, and operation |
| • | Determine thermal characteristics of a door |
| Knowledge of: | |
| • | Environmental Protection Agency (EPA) safety requirements |
| • | Historical preservation requirements |
| • | Window construction, components, and nomenclature |
| • | Door components, hardware, and nomenclature |
| • | Door construction |
| • | Door operation and adjustments |
| Task 12: Collect foundation/subspace data | |
| Ability to: | |
| • | Identify foundation/subspace types (e.g., crawl space, basement, slab) |
| • | Identify foundation materials |
| • | Identify infiltration points |
| • | Identify sources and signs of moisture |
| • | Identify points of access |
| • | Identify potential electrical hazards |
| • | Identify signs of pest/vermin infestations |
| • | Recognize potential structural integrity issues |
| • | Identify special equipment (e.g., sump pumps) |
| Knowledge of: | |
| • | Building science |
| • | Codes and standards adopted by the authority having jurisdiction |
| • | Crawl space ventilation requirements |
| • | Foundation construction materials and methods |
| • | OSHA safety requirements |
| • | Signs of structural hazards on foundations |
| Task 13: Collect roof data | |
| Ability to: | |
| • | Identify roof types (e.g., parapet, mansard, gambrel, gable) |
| • | Identify roof conditions |
| • | Identify roof color |
| • | Identify roofing materials (e.g., underlayment, membrane, shingle, metal) |
| • | Identify roof penetrations |
| • | Identify roof debris (e.g., garbage, old air conditioners) |
| • | Identify the presence and condition of roof drainage |
| • | Determine the flashing condition |
| • | Identify type and location of roof access |

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| • | Identify roof exposure and orientation |
| • | Identify roof insulation (e.g., flat roof with no cavity and with rigid insulation) |
| • | Determine roof pitch |
| Knowledge of: | |
| • | Insulation materials and methods |
| • | OSHA safety requirements |
| • | Roofing construction methods |
| • | Roofing materials |
| DOMAIN 2: Diagnostic Testing of the Dwelling Unit for an Energy Audit | |
| <i>Task 1: Prepare the dwelling unit for the test(s)</i> | |
| Ability to: | |
| • | Determine the test(s) to be performed (e.g., blower door test, duct leakage test, combustion safety testing) |
| • | Prepare the building and equipment for testing based upon industry protocols |
| Knowledge of: | |
| • | Building diagnostic testing |
| • | Building science |
| • | Test protocols |
| <i>Task 2: Test the electric appliances</i> | |
| Ability to: | |
| • | Inspect appliances for test accessibility |
| • | Follow the manufacturer's guidelines for operation of the watt-hour meter |
| • | Interpret data from a watt-hour meter |
| • | Access wattage usage data in an up-to-date industry-accepted resource |
| Knowledge of: | |
| • | Electric appliance metering |
| • | Electric appliance safety |
| <i>Task 3: Conduct indoor air quality tests</i> | |
| Ability to: | |
| • | Measure levels of targeted indoor air pollutants (e.g., carbon monoxide, combustible gases) |
| • | Determine if the reading exceeds any applicable action levels |
| • | Identify need for further testing |
| Knowledge of: | |
| • | Carbon monoxide exposure symptoms |
| • | Industry standards relative to air quality (e.g., American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE), EPA, The National Institute for Occupational Safety and Health (NIOSH), OSHA) |
| • | Effect of relative humidity on indoor air quality |
| • | Source control of pollutants |
| <i>Task 4: Determine the safety and efficiency of combustion appliances</i> | |
| Ability to: | |
| • | Visually inspect the fuel supply lines |
| • | Test for leakage in the fuel supply pipes (e.g., confirm with bubble solution) |
| • | Perform combustion safety tests (e.g., combustion appliance zone [CAZ] depressurization test, carbon monoxide test) |
| • | Conduct combustion efficiency tests (e.g., oxygen, stack temperature, steady-state efficiency [SSE]) |
| Knowledge of: | |
| • | Building science |

| | |
|---|---|
| • | Codes and standards adopted by the authority having jurisdiction |
| • | Combustion efficiency test procedures (e.g., oxygen, stack temperature, steady-state efficiency [SSE]) |
| • | Fuel line leak testing techniques |
| • | Heating system type (e.g., forced air heater, hydronic heater, steam heater, unit heater, space heater) |
| • | Annual fuel utilization efficiency (AFUE) versus steady-state efficiency (SSE) |
| • | Combustion safety test procedures |
| • | Venting types, materials, methods, and safety issues (e.g., venting categories, NFPA) |
| • | Greatest depressurization achievable (i.e., worst case) |
| Task 5: Determine air leakage of the building envelope | |
| Ability to: | |
| • | Perform blower door tests |
| • | Follow industry protocol for conducting blower door tests |
| • | Perform zone pressure diagnostics (ZPD) |
| • | Perform pressure pan tests |
| • | Locate points of infiltration/exfiltration |
| • | Identify air leakage locations based on infrared images |
| Knowledge of: | |
| • | Advanced blower door diagnostics (e.g., zone pressure diagnostics, pressure pans) |
| • | Blower door testing procedures (e.g., pressurization, depressurization) |
| • | Blower door assembly and operation |
| Task 6: Determine the performance of HVAC distribution | |
| Ability to: | |
| • | Perform HVAC distribution tests |
| • | Perform a forced air system distribution leakage test |
| • | Measure room temperatures |
| • | Measure the temperatures of the hydronic radiators |
| • | Measure air flow (e.g., cubic feet per minute [CFM]) |
| • | Measure temperature rise across heat exchangers/cooling coils |
| • | Measure static pressure |
| • | Inspect hydronic distribution (e.g., high, low, valves) |
| • | Measure room pressure differences for forced air systems |
| • | Measure mechanical ventilation flow rates (e.g., exhaust fans, supply fans, balanced ventilation) |
| Knowledge of: | |
| • | HVAC distribution testing protocols |
| • | HVAC terminology |
| • | Manufacturer's specifications |
| • | Distribution system design and materials |
| • | Forced air systems |
| • | Hydronic distribution |
| • | Mechanical ventilation systems (e.g., exhaust, supply, balanced) |
| DOMAIN 3: Evaluation of Collected Energy Audit Data to Determine the Scope of Work | |
| Task 1: Evaluate the health and safety data | |
| Ability to: | |
| • | Determine if there are potential health and safety concerns |
| • | Determine if health and safety issues can be addressed through an energy efficiency measure |
| • | Determine the repair options |

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|---|---|
| Knowledge of: | |
| • | Special circumstances (e.g., mold, lead, asbestos-containing materials, radon) |
| • | Construction repair methods |
| Task 2: Evaluate the durability/structural integrity of the building | |
| Ability to: | |
| • | Determine if there are potential durability/structural integrity issues |
| • | Determine if the potential durability/structural integrity issues can be addressed through an energy efficiency measure |
| • | Determine if further evaluation is recommended |
| Knowledge of: | |
| • | Building science |
| Task 3: Evaluate the HVAC system | |
| Ability to: | |
| • | Evaluate the HVAC system for health and safety concerns (e.g., suspected asbestos-containing materials) |
| • | Evaluate HVAC sizing for potential replacement or upgrades (e.g., post shell retrofit) |
| • | Evaluate the distribution (e.g., add trunk lines, radiators, to rooms as needed) |
| • | Evaluate fuel switching options |
| • | Evaluate the need to clean and tune versus replace |
| • | Evaluate the need for and supply of combustion air |
| • | Evaluate the HVAC system for other issues that lead to replacement or upgrades (e.g., condition, age, efficiency) |
| • | Identify duct sealing/insulation and pipe insulation opportunities |
| Knowledge of: | |
| • | Air Conditioning Contractors of America (ACCA) manuals |
| • | Heating/cooling system operations |
| • | HVAC load calculations |
| • | HVAC system repair, replacement, or upgrade options |
| • | Maximum allowable duct leakage |
| • | Safety requirements (e.g., NFPA, AHJ) |
| Task 4: Evaluate the mechanical ventilation | |
| Ability to: | |
| • | Compare measured flow with ventilation requirements |
| • | Determine the mechanical ventilation needs (e.g., repairs, replacements, additions, make-up air) |
| • | Determine the type of controls needed |
| • | Calculate the building ventilation requirements |
| Knowledge of: | |
| • | Ventilation standards (e.g., ASHRAE, AHJ) |
| • | Mechanical ventilation controls |
| • | Ventilation strategies |
| • | Ventilation ducting design |
| Task 5: Evaluate energy use | |
| Ability to: | |
| • | Determine if replacements or upgrades will reduce energy consumption |
| • | Analyze utility bills and fuel usage, and calculate base loads |
| Knowledge of: | |
| • | Codes and standards adopted by the authority having jurisdiction |
| • | Components of base loads (e.g., lighting, electronics, domestic hot water, appliances) |
| • | Base load calculation |

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| • | Base load reduction strategies |
| Task 6: Evaluate the foundation/subspace | |
| Ability to: | |
| • | Determine if repairs are needed (e.g., plumbing, floors) |
| • | Determine if additional insulation and/or air sealing is needed |
| • | Determine the proper location for insulation and/or air sealing (e.g., floor, walls, sills, perimeter, cantilever floor) |
| • | Determine the type of insulation materials to be added |
| • | Calculate if adequate ventilation exists or should be added |
| • | Determine a moisture management strategy (e.g., site drain, vapor barrier) |
| Knowledge of: | |
| • | Building science |
| • | Codes and standards adopted by the authority having jurisdiction |
| • | Foundation construction techniques |
| • | Foundation crawl space ventilation |
| • | Foundation/subspace insulation |
| • | Foundation/subspace types |
| • | Types and locations for vapor barriers |
| Task 7: Evaluate the walls | |
| Ability to: | |
| • | Determine if repairs are needed |
| • | Determine if insulation opportunities exist |
| • | Determine if air sealing opportunities exist |
| • | Identify the type of insulation materials to be added |
| • | Determine the square footage of the area to be insulated |
| • | Determine if the pressure boundary and thermal boundary align |
| • | Determine if the vapor retarder is appropriately placed |
| • | Determine if band joists insulation and/or air sealing opportunities exist (i.e., upper stories) |
| • | Determine the impact of potential health and safety issues (e.g., lead-based paint, asbestos-containing materials, electrical hazards, moisture) |
| • | Determine a moisture management strategy (e.g., drainage, flashing) |
| Knowledge of: | |
| • | EPA and Department of Energy lead and asbestos standards |
| • | Building science |
| • | Codes and standards adopted by the authority having jurisdiction |
| • | Insulation types and appropriateness |
| • | Pressure and thermal boundaries |
| • | Typical wall structures |
| • | Vapor retarder in walls |
| Task 8: Evaluate the attic | |
| Ability to: | |
| • | Evaluate if repairs are needed |
| • | Determine if insulation opportunities exist |
| • | Determine if air sealing opportunities exist |
| • | Determine if the pressure boundary and thermal boundary align |
| • | Determine if the vapor retarder is appropriately placed |
| • | Determine if additional attic ventilation is required |
| • | Determine if additional access is required |
| • | Determine the impact of potential health and safety issues (e.g., heat sources, asbestos- |

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| containing materials, electrical hazards, moisture) |
| Knowledge of: |
| • Attic construction and materials |
| • Attic fire hazards |
| • Attic insulation and air sealing strategies |
| • Attic ventilation standards |
| • Building science |
| • Codes and standards adopted by the authority having jurisdiction |
| • Pressure and thermal boundaries |
| • Moisture management |
| • Preparation for attic insulation and air sealing |
| • Area-weighted average R-value |
| Task 9: Evaluate the doors and windows |
| Ability to: |
| • Determine if repairs are needed |
| • Evaluate the condition of and/or need for storm doors and windows (e.g., closers) |
| • Evaluate door and window components and performance |
| • Determine if insulation opportunities exist |
| • Determine if air sealing opportunities exist |
| • Determine the impact of potential health and safety issues (e.g., lead-based paint, asbestos-containing materials, moisture) |
| Knowledge of: |
| • Codes and standards adopted by the authority having jurisdiction |
| • Building science |
| • Framing structures and processes |
| • Door types |
| • Window components |
| • Door and window glazing |
| • Window types |
| Task 10: Use energy modeling software |
| Ability to: |
| • Determine pertinent modeling data |
| • Analyze the output from the software |
| • Produce a cost and savings report |
| Knowledge of: |
| • Basic construction terms |
| • Building science |
| • Energy modeling software principles |
| Task 11: Generate the recommended work scope |
| Ability to: |
| • Determine the recommended health and safety measures |
| • Determine the recommended building durability measures |
| • Determine the recommended energy conservation measures |
| • Determine the economics of recommended measures (e.g., savings to investment ratio [SIR], return on investment [ROI]) |
| • Anticipate health and safety impacts from recommended retrofit measures |
| • Specify measures to ensure thermal and pressure boundary integrity and alignment |
| • Assemble work specifications |

| | |
|----------------------|--|
| Knowledge of: | |
| • | Building science |
| • | Codes and standards adopted by the authority having jurisdiction |
| • | Construction practices, techniques, and terminology |
| • | Energy modeling software |
| • | Cost-benefit analysis |
| • | Program rules and standards |
| • | Funding or financing mechanisms for energy efficiency upgrades |
| Skill in: | |
| • | Cost estimating |

8. Energy Auditor Exams Blueprint

| Domain and Tasks | % Written | % Field |
|---|-----------|---------|
| DOMAIN 1: Collection of Visual, Material, Dimensional, and Appliance Information about the Building for an Energy Audit | 42.8% | 66.7% |
| Task 1: Document energy consumption | 2.2% | N/A |
| Task 2: Document the building history | 3.0% | N/A |
| Task 3: Conduct a physical/visual inspection | 4.5% | 7.9% |
| Task 4: Collect health and safety data | 4.7% | 8.3% |
| Task 5: Collect appliance and base load information. | 3.2% | 5.6% |
| Task 6: Identify a conditioned building enclosure | 3.2% | 5.6% |
| Task 7: Collect mechanical ventilation data | 3.2% | 5.7% |
| Task 8: Identify building insulation (attic, walls, and foundation/subspace) | 3.2% | 5.6% |
| Task 9: Collect attic data | 3.8% | 6.7% |
| Task 10: Collect wall data | 3.1% | 5.5% |
| Task 11: Collect window and door data | 2.5% | 4.5% |
| Task 12: Collect foundation/subspace data | 3.5% | 6.2% |
| Task 13: Collect roof data | 2.9% | 5.2% |
| DOMAIN 2: Diagnostic Testing of the Dwelling Unit for an Energy Audit | 20.8% | 33.3% |
| Task 1: Prepare the dwelling unit for the test(s) | 3.9% | 6.9% |

| Domain and Tasks | % Written | % Field |
|--|-----------|---------|
| Task 2: Test the electric appliances | 2.1% | N/A |
| Task 3: Conduct indoor air quality tests | 4.5% | 8.0% |
| Task 4: Determine the safety and efficiency of combustion appliances | 4.7% | 8.3% |
| Task 5: Determine air leakage of the building envelope | 3.0% | 5.3% |
| Task 6: Determine the performance of HVAC distribution | 2.7% | 4.7% |
| DOMAIN 3: Evaluation of Collected Energy Audit Data to Determine the Scope of Work | 36.4% | N/A |
| Task 1: Evaluate the health and safety data | 4.4% | N/A |
| Task 2: Evaluate the durability/structural integrity of the building | 3.6% | N/A |
| Task 3: Evaluate the HVAC system | 3.5% | N/A |
| Task 4: Evaluate the mechanical ventilation | 3.3% | N/A |
| Task 5: Evaluate energy use | 2.4% | N/A |
| Task 6: Evaluate the foundation/subspace | 3.2% | N/A |
| Task 7: Evaluate the walls | 3.4% | N/A |
| Task 8: Evaluate the attic | 3.7% | N/A |
| Task 9: Evaluate the doors and windows | 2.9% | N/A |
| Task 10: Use energy modeling software | 2.5% | N/A |
| Task 11: Generate the recommended work scope | 3.5% | N/A |

Note: Percentages were rounded to the nearest tenth of a percent.

9. Standards of Reference

All BPI exams are based on a mixture of industry practices, axiomatic¹ concepts, and major standards of references. No singular source exists that could touch upon every aspect for what is considered testable. Conversely, there is no limit to the potential useful material found in print and online.

¹ An axiomatic concept is something implicit that requires no proof or explanation (e.g. – the sum of 2 and 2 is 4, or gravity states that if you drop something, it will fall to a lower level).

- ANSI – American National Standards Institute
 - ANSI / ACCA Standard 5 – HVAC Quality Installation Specification
 - ANSI / NFPA 70– National Electrical Code
 - ANSI / ASHRAE Standard 111 – Measurement, Testing, Adjusting, and Balancing of Building HVAC Systems
- ASHRAE – American Society of Heating, Refrigerating and Air-Conditioning Engineers
 - ASHRAE 62.1 – Ventilation for Acceptable Indoor Air Quality
 - ASHRAE 62.2 – Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings
 - ASHRAE 90.1 – Energy Standard for Buildings Except Low-Rise Residential Buildings
 - ASHRAE 90.2 – Energy-Efficient Design of Low-Rise Residential Buildings
- ASTM – ASTM International
 - ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials
 - ASTM E1186 – Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems
- BPI – Building Performance Institute
 - ANSI/BPI-1100-T-2014 Home Energy Auditing Standard
 - ANSI/BPI-1200-S-2017 Standard Practice for Basic Analysis of Buildings
- NFPA – National Fire Protection Association
 - NFPA 31 – Standard for the Installation of Oil-Burning Equipment
 - NFPA 54 – National Fuel Gas Code
 - NFPA 70 – National Electrical Code
 - NFPA 275 – Standard Method of Fire Tests for the Evaluation of Thermal Barriers
- OSHA – U.S Occupational Safety and Health Administration
 - OSHA 1926 – Safety and Health Regulations for Construction
- Standard Work Specification (SWS) – <https://sws.nrel.gov>

10. Exam Security

Exams are highly confidential materials. Any attempts to willfully compromise the integrity of the exam, the exam process, or the certification process shall be taken seriously; offenders may be prosecuted to the fullest extent of the law. In addition, any certification credential may be revoked immediately if a breach is proven to have been made by a certified individual.

11. Granting

In order to receive EA certification, the candidate must meet all prerequisite requirements, as well as successfully complete both the multiple-choice (online) and practical (field) exams.

***EXCEPTION: BPI Certified Professionals who are seeking their initial BPI EA certification that also hold an active BPI QCI certification expiring between now and 2/27/2022 are eligible to**

bypass the EA written exam; they must successfully complete the field exam in order to achieve EA certification*

11.1 Notification of Exam Results and Certification

Once exam results have been processed the candidate will be able to log in to their [Candidate Account](#) to view exam results.

The BPI Certified Professional will be notified once BPI certification has been awarded. BPI will mail the Certified Professional a certification packet containing a printed certificate, a photo identification card, and patches. Certified Professionals should allow up to four to six (4 – 6) weeks after certification for their packet to arrive by mail.

The certificate will expire three (3) years from the date of initial certification.

The photo identification certification card contains, but is not limited to:

- name of the Certified Professional
- BPI ID number
- BPI's name and logo
- reference to a certification scheme (name of certification)
- date when certification expires

11.2 Time Limits for Completing Certification

BPI permits twelve (12) months to complete the certification process from the time a candidate takes the first exam. Candidates may challenge the EA online and field exam(s) up to six (6) times (each) in a one-year period. The one-year period begins after the first unsuccessful attempt of the exam, after which time a candidate will have five (5) more attempts to successfully challenge that particular exam.

Candidates that do not successfully complete the EA online and field exams and achieve certification within the one-year period, must wait for the one-year anniversary of the first unsuccessful attempt to challenge the exam(s) again.

11.3 Confidentiality of Information

BPI and BPI Test Centers shall adhere to all policies and procedures regarding candidate confidentiality and shall not release any information regarding any candidate or Certified Professional without obtaining prior written permission. Forms for this purpose are provided as part of the application. This disclosure form is intended to assist BPI and the BPI Test Center to protect the candidate's or Certified Professional's information.

12. Home Energy Professional Certification Renewal

12.1 Energy Auditor Certification Renewal

BPI Certified Professionals who hold the Energy Auditor certification will be required to renew their certification every three (3) years.

The certification renewal requirements for BPI certified Energy Auditor must be completed prior to the current certification expiration date. Certified Professionals will be allowed to start the certification renewal process six (6) months prior to expiration, and if successful, will have the next renewal date as three (3) years from the current certification expiration date. If certification renewal is completed more than six (6) months in advance, the expiration date will change to the date of last successful exam.

Certification Renewal: when a BPI Certified Professional successfully attempts to renew their Energy Auditor certification on or before their current certification expiration date within the confines of the BPI Certification Renewal requirements as outlined below.

To be eligible for certification renewal, BPI certified Energy Auditors:

- must fill out and submit the [Application for BPI Energy Auditor Certification RENEWAL](#) and corresponding documentation to BPI, AND
- may either accumulate a minimum of twenty-four (24) qualifying* continuing education units (CEUs) over the three (3) years of certification in order to bypass the online exam, OR
- successfully challenge the online exam that is current at the time of renewal.

Qualifying CEUs are defined as any educational trainings/sessions that align with the Functions and Tasks (knowledge, skills, and abilities) section in the Energy Auditor certification scheme handbook.

- In addition to either accumulating the minimum number of qualifying CEUs **OR** successfully completing the corresponding online exam, the Certified Professional **must successfully challenge the field exam** that is current at the time of renewal.

There is no allowance for bypassing the field exam in order to renew the Energy Auditor certification.

By completing certification renewal, all BPI certified Energy Auditors are re-attesting to the Code of Ethics located in the Energy Auditor scheme handbook (Appendix B).

| Initial Certification Renewal Scenarios | | Certification Result: |
|---|------------------------------------|---------------------------------|
| If individual completes: | Plus one of the items below: | |
| Field Exam (Successful) | Online Exam (Successful) | Certification Renewal Completed |
| Field Exam (Successful) | Relevant CEUs (bypass online exam) | Certification Renewal Completed |

As part of the certification renewal process, BPI will review the certified Energy Auditor's file for any open complaints. Should there be any open complaints at the time of expiration, BPI will not award certification renewal. The certification of the individual will be withdrawn or revoked due to the Certified Professional's negligent refusal to follow the certification scheme requirements.

12.2 Energy Auditor Certification Reissuance

Any unsuccessful attempt at certification renewal will end the current certification. Please refer to the table on the next page for details about the different Certification Reissuance Requirements.

Certification Reissuance: when a BPI Certified professional makes their first full attempt at meeting both the online and field requirements for renewal on, or within six months prior, to their expiration date, **AND are unsuccessful on one (1) of the renewal exams**, the current certification will end and become deactivated. If the candidate can then successfully challenge that unsuccessful exam within a one-year period, as outlined in the chart below, the certification will be reissued.

A candidate will have five (5) more attempts to successfully challenge the exam. There is a cost for each exam. BPI permits twelve (12) months to complete the certification process from the time a candidate takes the first exam. Candidates who do not complete the certification process within the one-year period must retake both the online and field exams.

Certification Reissuance is not considered a renewal of the original certification; therefore, a new certification date will be issued.

| Initial Certification Renewal Scenarios | | Certification Result: |
|---|----------------------------|--|
| If individual completes: | Plus the item below: | |
| Field Exam (Successful) | Online Exam (Unsuccessful) | Current certification is deactivated. Candidates will have one (1) year from the date of the successful field exam to successfully challenge the online exam to complete the certification. New certification date will be the date of the successful online exam. |
| Online Exam (Successful) | Field Exam (Unsuccessful) | Current certification is deactivated. Candidates will have one (1) year from the date of the successful online exam to successfully challenge the field exam to complete certification. New certification date will be the date of the successful field exam. |
| Relevant CEUs (bypass online exam) | Field Exam (Unsuccessful) | Current certification is deactivated. Candidates will have one (1) year from the date of the unsuccessful field exam to complete the certification. New certification date will be the date of the successful field exam. |

If a Certified Professional is using relevant CEUs for their first full attempt at renewal, the online requirement is considered fulfilled. Candidates who are unsuccessful on the field exam will then have one (1) year to complete the field requirement as explained in the chart above. If the certification ends due to an unsuccessful online exam, CEUs cannot be accumulated towards certification reissuance; the Certified Professional must successfully complete the online exam.

By becoming BPI EA certified, Certified Professionals are automatically re-attesting to BPI's Code of Ethics.

BPI reserves the right to make changes to this policy at any time. If changes are made, BPI will attempt to notify all participants via email. Always refer to the most up to date version of the scheme handbook located at www.bpi.org.

13. Surveillance

Surveillance of the Certified Professional is established to ensure compliance to the policies and procedures for which the certification was granted. The certification of the individual may be withdrawn or revoked due to Certified Professional's negligent refusal to follow the certification scheme requirements or failure to take appropriate corrective action as required by BPI.

14. File Review

The Certification Department will conduct a file review of Certified Professionals that have complaints filed against them. The review of the Certified Professional's file activities includes confirmation that any complaints against the Certified Professional have been resolved.

15. Corrective / Preventative Action

The corrective / preventative action shall include one of the following and is determined on a case by case basis at the discretion of BPI:

Level One: A corrective action will be given when the infraction is considered minor in nature. A written warning shall be sent to the Certified Professional about the nature of the infraction along with the required corrective action. The written warning shall become part of the Certified Professional's record.

Level Two: A corrective action will be given when the infraction is considered major in nature and requires proof. A written warning is sent to the Certified Professional about the infraction. The Certified Professional is required to submit proof, in writing, that the infraction has been corrected. The written warning and response will become part of the Certified Professional's record.

16. Withdrawal of Certification

Should the BPI certified Energy Auditor not maintain certification by not being able to fulfill the obligation of the certification due to illness, disability, change of profession, etc., the certification will be

withdrawn at the request of the Certified Professional. BPI must be notified immediately if a Certified Professional may not be able to, or is no longer able to, fulfill the requirements of the certification.

BPI reserves the right, on a case by case basis, to withdraw a person's BPI Certification(s) at its discretion. Reasons for withdrawal of a BPI Certification include, but are not limited to:

- Failure to take steps to submit the requested information of a corrective action as outlined in Section 15
- Failure to follow the BPI Energy Auditor Code of Ethics and/or Code of Conduct
- Failure to follow BPI Standards that align with the certification's JTA's, when applicable

In the event the BPI Energy Auditor certification is withdrawn; the BPI Manager of Client Relations will review the Certified Professional's record and send confirmation of the withdrawal within thirty (30) days and provide a written statement in regard to steps that must be taken if the candidate requests the certification be reinstated.

Use of the BPI logo or brand and representation of being BPI certified must cease immediately if a certification is withdrawn, revoked, or expired.

17. Appeal Procedure

Individuals who wish to file an appeal of a decision on certification, against the results of an EA exam, or regarding the suspension of the EA certification, must do so in writing.

Please Note: If a candidate chooses to challenge the exam that they are appealing, prior to the notification of a final decision on their appeal, the results of the appeal will be null and void, regardless of the outcome. The original score of the appealed exam will stand.

Appeal Process for Exam Review

To contest the results of an EA exam, the candidate must follow the procedures, below:

1. A request for review must be made within thirty (30) days from the date of the exam. The request for review may be made in the following manner:
 - a. Submit the Complaint Form via the [BPI website](#):
Go to www.bpi.org and hover over **About Us** at the top of the page, select **Contact Us**. Enter your information and choose **Exam Grade Appeal** from the **Category** dropdown.
 - b. Send a letter via registered mail to:
Building Performance Institute, Inc.
Attn: Appeals
63 Putnam Street, Suite 202
Saratoga Springs, NY 12866
 - c. Send an email to Appeals@bpi.org

2. The request for review must specifically state the reasons why the candidate believes the initial decision should be modified or overturned and provide information on the issue; or include a specific reference where required procedures were not followed.
3. The review will be carried out by the Quality Assurance (QA) Department. Review results will be forwarded to the Director, who will provide the decision, via email to the candidate, within thirty (30) days of receiving the request for appeal.

Appeal Process for Suspension of Certification

For a review of suspension or withdrawal of certification, the Certified Professional must follow the procedures, below:

1. A request for review must be made within thirty (30) days from the date of the suspension or withdrawal of certification. The request for review may be made in the following manner:
 - a. Submit the Complaint Form via the [BPI website](#):
Go to www.bpi.org and hover over **About Us** at the top of the page, select **Contact Us**. Enter your information and choose **Exam Grade Appeal** from the **Category** dropdown.
 - b. Send a letter via registered mail to:
Building Performance Institute, Inc.
Attn: Appeals
63 Putnam Street, Suite 202
Saratoga Springs, NY 12866
 - c. Send an email to Appeals@bpi.org
2. The request for review must specifically state the reasons why the Certified Professional believes the initial decision should be modified or overturned and provide new information on the issue; or include a specific reference where required procedures were not followed.
3. The review will be carried out by the Quality Assurance (QA) Department. Review results will be forwarded to the Director, who will provide the decision to the candidate, via email, within thirty (30) days of receiving the request for appeal.

18. Complaints

BPI recognizes that there are two main types of complaints that may be brought to its attention:

- Complaints regarding BPI and/or its related vendor organization (administrative, testing, Test Center, proctor, etc.)
- Complaints regarding BPI Certified Professionals or organizations with BPI Certified Professionals on staff

Complaints Process

To file a complaint, the individual must follow the procedures on the next page.

1. A complaint must be made within thirty (30) days from the date that the situation occurred. The request for review may be made in the following manner:
 - a. Submit the Complaint Form via the [BPI website](#):
Go to www.bpi.org and hover over **About Us** at the top of the page, select **Contact Us**. Enter your information and choose **Complaint Form** from the **Category** dropdown box.
 - b. Send a letter via registered mail to:
Building Performance Institute, Inc.
Attn: Complaints
63 Putnam Street, Suite 202
Saratoga Springs, NY 12866
 - c. Send an email to Complaints@bpi.org
2. The request for review must provide specific details for the complaint and any type of documented information that pertains to the situation.
3. The review will be carried out on a case by case basis by the Quality Assurance (QA) Department. Review results will be forwarded to the Director, who will provide the decision to the complainant, via email, within thirty to forty (30 – 40) days of receiving the complaint.

19. Comments

Submit any comments regarding the certification exams or processes to HEPCertification@bpi.org.

Appendix A – Code of Conduct

By obtaining the Energy Auditor Certification, you are agreeing to the terms and conditions of BPI's Code of Conduct.

Code of Conduct

Certification may be denied, suspended, or revoked, if an individual is not in compliance with this Code of Conduct. Grounds for disciplinary action include (but are not limited to):

1. An irregular event in connection with an exam, including (but not limited to) copying exam materials, causing a disruption in the testing area, and failure to abide by reasonable exam administration rules;
2. Taking the exam for any purpose other than that of becoming certified in the technical area referenced in the title of the exam;
3. Disclosing, publishing, reproducing, summarizing, paraphrasing, or transmitting any portion of the exam in any form or by any means, verbal, written, electronic or mechanical, without the prior expressed written permission;
4. Providing fraudulent or misleading information;
5. Failure to pay fees when due;
6. Unauthorized possession or misuse of certifications;
7. Misrepresentation of certification status;
8. Failure to provide requested information in a timely manner;
9. Impairment of professional performance because of habitual use of alcohol, drugs, or other substance, or any physical or mental condition;
10. Gross or repeated negligence or malpractice in professional work;
11. Failure to maintain a current professional credential as required by the jurisdiction in which the individual practices (this may include a license, certificate, or registration);
12. The conviction of, plea of guilty to, or plea to a felony or misdemeanor related to public safety or the building industry;
13. Disciplinary action by a licensing board related to a building industry; and
14. Other failure to maintain continuous compliance with the certification standards, policies, and procedures related to your certification.

Disciplinary Actions

The following disciplinary actions may be taken as a result of non-compliance with this Code of Conduct:

- Denial or suspension of eligibility;
- Denial of certification;
- Revocation of certification;
- Non-renewal of certification;
- Suspension of certification;
- Reprimand; or
- Other corrective action.

Appendix B – Code of Ethics

The Building Performance Institute, Inc. (BPI) is committed to promoting the highest level of professionalism, integrity, and ability available in the residential contracting certification industry. By obtaining the Energy Auditor Certification, you are agreeing to the terms and conditions of BPI's Code of Ethics.

This Code of Ethics for Energy Auditors is designed to foster trust and mutual respect among individuals working in the industry as well as the public at large; it is intended to increase the esteem of the credentials and of the individuals who have earned them. This Code does not discourage healthy competition within the industry. BPI considers industry relationships critical to the industry's success. This Code is also not intended to limit the ability of energy auditors to earn fair compensation for their services. BPI's goal is to promote the professionalism of energy auditors' work products and thereby to enhance their quality.

| I. Avoiding Conflicts of Interest |
|--|
| A. Energy auditors shall not participate in professional activities involving a conflict of interest. A conflict of interest occurs when an energy auditor is inappropriately motivated by any financial, personal, or professional purpose other than the fulfillment of work orders. Work order fulfillment means the delivery of paid professional services, as specified, that skillfully, completely, and usefully meet the client's or employer's stated needs and desires, in compliance with all applicable codes, regulations, and standards. |
| B. Energy auditors shall avoid, whenever possible, even the appearance of a conflict of interest and shall disclose all potentially questionable associations and relationships in advance to any stakeholder with a legitimate right to be informed of them. |
| C. Energy auditors shall disclose to the client, in writing, any compensatory relationships with product or service providers they are recommending (if they work for a window installation contractor, are paid finders' fees, etc.). |
| D. When asked for professional recommendations, energy auditors shall direct the client to the official sources for up-to-date lists of Certified Professionals and accredited contracting companies before making any personal referrals. Personal referrals and recommendations are acceptable provided that they do not violate any article within this Code of Ethics. |
| II. Professionalism and Integrity |
| A. Energy auditors shall comply with all safety-related regulations, warnings, and instructions set forth by local, state, or federal organizations and other recognized safety organizations. |
| B. Energy auditors shall report to all appropriate parties any safety and security concerns directly related to any work performed by any previous or other current contractors or employees. Energy auditors shall report any additional safety and security concerns to the client. |
| C. Energy auditors shall guide or perform work based on best practices and standards in the field, using diagnostics, testing and visual inspection within their areas of education, training, and expertise. |
| D. Energy auditors shall provide professional services that effectively guide their clients to reduce energy consumption, improve health and safety, and increase the lifespan of the building while also improving the quality of life and comfort for building occupants. |
| E. Energy auditors shall help their clients to evaluate the costs and benefits of available energy efficiency options in a way that promotes the clients' best interests, in full compliance with applicable codes, standards, and regulations. |

| III. Representation of the Energy Auditor Profession and Self-Representation |
|--|
| A. Energy auditors shall neither misrepresent nor knowingly deceive others concerning their experience and capabilities. |
| B. Energy auditors shall neither misrepresent nor misuse their certification. |
| C. Energy auditors shall not engage in any conduct that is detrimental to the reputation or the best interests of the Energy Auditor Certification, the profession, or the industry as a whole. |
| D. Energy auditors shall act professionally at all times and in the best interests of the client and employer. Energy auditors shall not act in any way that denies or impedes competent, timely, and professional service to the client or employer. |
| E. Energy auditors shall not willfully damage, or by negligence or indifference allow to be damaged, any property belonging to clients or employers. Energy auditors shall take reasonable means to protect the owner's health, safety, property, and possessions and also to prevent the undue loss, theft, waste, and dissipation of the owner's funds, resources, and supplies. |
| F. Energy auditors shall not betray the trust that property owners and employers have placed in them by inviting them to work in their homes and businesses. |
| G. Energy auditors shall ensure that any individuals working under their supervision will act in a professional manner, in compliance with all applicable laws, regulations, and standards, and in compliance with all articles specified by this Code of Ethics. |
| IV. Maintaining Confidentiality |
| A. Energy auditors shall not discuss or disclose to third parties any confidential information about properties, employers, and clients, unless required by court order to do so. Confidential information is defined here as names, addresses, phone numbers, financial data, personal details, vulnerabilities, defects, measurements, diagrams, blueprints, photographs, recordings, electronic versions, and other descriptions or representations that only the employers or clients have a right and a need to know about and disseminate. |
| B. Energy auditors must not, without permission, disclose private, confidential information about any client or employer for the use or interests of any third parties whose services and opinions have not been explicitly requested by the client or employer. Energy auditors may discreetly discuss their own work and working conditions with their family and associates, but not in any way that violates the privacy of the employers, clients, and relevant family members. |
| V. Disciplinary Actions and Appeal |
| A. Violation of any article of this Code of Ethics could result in disciplinary actions including the revocation of the Energy Auditor Certification. |
| B. Energy auditors have the right to appeal any disciplinary decisions to the certifying body. |

Appendix C – BPI Certification Agreement

BPI Certification Agreement

Energy Auditor applicants will be required to accept the BPI Certification Agreement before beginning your exam. Make sure to read and be familiar with this agreement before you take your exam.

BY SIGNING YOU ARE AGREEING TO THE TERMS AND CONDITIONS OF THIS BPI CERTIFICATION AGREEMENT. CANDIDATE OR CERTIFIED INDIVIDUAL MAY TAKE THE EXAM ONLY IF CANDIDATE OR CERTIFIED INDIVIDUAL AGREES TO THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF CANDIDATE OR CERTIFIED INDIVIDUAL DOES NOT AGREE TO THE TERMS AND CONDITIONS, CANDIDATE OR CERTIFIED INDIVIDUAL SHALL SELECT "NO, I DO NOT AGREE" BELOW AND WILL NOT BE ALLOWED TO TAKE THE EXAM.

BPI and candidate or certified individual hereby agree that the terms and conditions of the Agreement shall govern candidate or certified individual's participation in BPI's Certification Exam and BPI's Certification.

1. CERTIFICATION

- a. The candidate or certified individual must:
 - meet the prerequisites
 - pay the applicable exam fees;
 - accept the terms and conditions of this Agreement before completing the Exam;
 - pass the exam(s)
 - keep contact information up to date
- b. Modification to Certification Requirements. BPI's Director level staff may expand or reduce the title or scope of the desired certification or withdraw the certification.
- c. Termination. Candidate or certified individual may terminate this Agreement at any time upon written notice to BPI. The Certification is valid for a period of three (3) years after the date of passing the last qualifying exam. If the candidate or certified individual chooses to terminate this agreement prior to the expiration date of their certification, the certification, including all related material, must be surrendered and will be void. Upon termination of this Agreement and after the expiration of the Certification, all rights related to the candidate's Certification, including all rights to use the Certification and the Logo, will immediately terminate.

2. COMPLIANCE WITH TESTING REGULATIONS

Candidate or certified individual agrees to comply with all testing regulations required by BPI and/or its Test Centers and testing centers.

- d. No Cheating. Candidate or certified individual agrees that all answers submitted in completing the Exam are entirely their own. Candidate or certified individual will neither: (i) provide nor accept improper assistance; nor (ii) use unauthorized materials in attempting to satisfy Certification Requirements.
- e. No Misconduct. Candidate or certified individual agrees not to (i) falsify his or her identity or impersonate another individual; (ii) forge the Certification, Exam score reports, identification cards or any other Exam records; (iii) engage in fraudulent conduct or misrepresent him or herself as Certified when he or she has not successfully met the applicable Certification Requirements; (iv) misuse or disclose username and/or password or any other Certification identities; and/or (v) engage in any other misconduct that could be considered by BPI, in its sole discretion, as compromising the integrity, security or confidentiality of the Exam or the Certification.
- f. No Disclosure. Candidate or certified individual understands and agrees that the Exam is BPI's confidential and proprietary information. Candidate or certified individual agrees to maintain the confidentiality of the Exam and not disclose, whether verbally, in writing or in any media, the contents of the Exam or any part of the Certification. Further, candidate or certified individual agrees not to request any other individual to disclose the Exam or any part thereof to the candidate or certified individual.
- g. No Misuse of the Exam. Candidate or certified individual agrees not to copy, publish, offer to sell, sell, publicly perform or display, distribute in any way or otherwise transfer, modify, make derivative works thereof, reverse engineer, decompile, disassemble or translate the Exam or part thereof.

3. BPI ACTION FOR NON-COMPLIANCE

- h. Candidate or certified individual understands and agrees that, if for any reason and at its sole discretion, BPI believes the candidate or certified individual violated the terms of this agreement or the criteria against which the competence of a person is evaluated in accordance with the scheme of the certification. BPI has the right to deny candidate or certified individual any further participation in the Exam, cancel a passed Exam result, remove the candidate or certified individual's certified status and any other rights previously conferred on the candidate by BPI, and to permanently bar candidate or certified individual from any further participation in BPI's Certification.

4. WITHDRAWAL OF CERTIFICATION

- i. Should the certified individual not maintain or not continue to prove their competence for this certification to the satisfaction of BPI, the certification will be withdrawn. In the event the certification is withdrawn, the BPI certification operations manager will review the certified individual's record and provide a written statement in regard to steps that will be taken in order for the certification to be reinstated.

Reasons for withdrawal of an individual's certification by BPI include, but are not limited to:

- Failure of the multiple-choice test instrument.
 - Failure of field evaluation.
 - Verification of a complaint by building owner or the owner's representative for failure to meet installation requirements and then not correcting the deficiency.
 - Failure to take steps to correct improper practices.
- j. If the certified individual may not be able or is no longer able to fulfill the requirements of the certification the certified individual must notify BPI immediately and surrender all certification documents, such as BPI ID Card and BPI Certificate to BPI, and cease using any logo or marketing materials.

5. REPRESENTATIONS AND WARRANTIES

- k. By the candidate or certified individual. Candidate or certified individual represents and warrants that: (i) Candidate or certified individual will refrain from any conduct that may harm the goodwill and reputation of BPI or its products and (ii) Candidate or certified individual shall not make any representation, warranty or promise on behalf of or binding upon BPI and (iii) Candidate or certified individual shall not make claims regarding certification outside of the intended scope of the appropriate certification.
- l. Candidate or certified individual agrees to not use the certificate in a manner that is misleading or unwarranted.

6. INDEMNIFICATION

- m. Candidate or certified individual agrees to indemnify, defend and hold BPI harmless against any losses, liabilities, damages, claims and expenses (including attorneys' fees and court costs) arising out of any claims or suits, whatever their nature and however arising, in whole or in part, which may be brought or made against BPI, or its Test Centers, officers, employees or assigns, in connection with: (i) any personal injury, property damage or other claims which are caused, directly or indirectly by any negligent act, omission, illegal or willful misconduct by the Candidate or certified individual, (ii) Candidate or certified individual's use or misuse of the certification and/or the Logo; (iv) Candidate or certified individual's use or misuse of BPI' confidential information; and/or (v) Candidate or certified individual's breach of any obligations or warranties under this Agreement.

7. LIMITATION OF LIABILITY

- n. Damages. BPI shall not be liable for any indirect, incidental, special, punitive, or consequential damages or any loss of profits, revenue, or data. BPI's liability for direct damages, whether in contract, tort or otherwise, shall be limited to the fees paid to BPI under this Agreement.

8. CONFIDENTIALITY UNDERTAKING

- o. By signing this Agreement, candidate or certified individual agrees to all terms and conditions herein
- p. Candidate agrees (i) to hold Confidential Information in confidence and take all reasonable precautions to protect it, (ii) not to, directly or indirectly, use Confidential Information at any time during the certification procedure, the performance of the Exam and thereafter, and (iii) not to, directly or indirectly, disclose, publish, reproduce or transmit any Confidential Information completely or in part to any third party, in any form, including but not limited to verbal, written, electronic or any other means for any purpose without the prior express written permission of BPI.
- q. BPI retains all rights, title and interest in and to all information, content and data contained in the Exam and all copyrights, patent rights, trademark rights and other proprietary rights thereto provided

by BPI under the certification procedure and Exam.

Upon any breach by the candidate or certified individual of the confidentiality undertaking in the BPI Certification Agreement, BPI may automatically and without notice withdraw candidate's Certification. Further, BPI is entitled to pursuing any other available remedy for unauthorized disclosure or for breach of the confidentiality undertaking in said Agreement.

Appendix D – Candidates with Special Testing Accommodations

Candidates with Special Testing Accommodations

The Americans with Disabilities (ADA) Act provides comprehensive civil rights protection for qualified individuals with disabilities. An individual with a disability is a person who: (1) has a physical impairment or a mental impairment that substantially limits a major life activity, (2) has a record of such impairment, or (3) is regarded as having such an impairment.

The ADA does not specifically name all of the impairments that are covered. If you have a disability, you have the right to inquire and receive information about testing accommodations.

“Testing Accommodation” means an adjustment to or modification of the standard testing conditions that eases the impact of the applicant’s disability on the exam process without altering the nature of the exam.

As an applicant claiming a disability that requires testing accommodations, the applicant must properly complete the Special Testing Accommodation form. The burden of proof is on the applicant to establish the existence of a disability protected the Americans with Disabilities Act, as well as to establish the need for testing accommodations. Each application is evaluated on a case by case basis.

Qualified individuals with disabilities are required to request accommodations every time they plan to take the exam. It is in the candidate’s best interests to provide recent and appropriate documentation, which clearly defines the extent and impact of the impairment(s) upon current levels of academic and physical functioning.

- Request for accommodations and appropriate supporting documentation, which when completed, should provide evidence of a substantial limitation to physical or academic functioning.
- Clinical evaluations and exams of the candidate that have resulted in a diagnosis of a physical or mental impairment must have been performed by a licensed/certified or otherwise qualified professional with credentials appropriate to diagnose a candidate’s disability consistent with the provisions of the ADA. Details about the professional’s area of specialization and professional credentials must be provided.
- Documentation must be submitted on official letterhead from a licensed or qualified professional who examined the candidate and diagnosed a physical or mental impairment. Depending on the disability and written evaluation, documentation may include a letter from a physician or a detailed report.
- Document must be no more than 3 years old.
- Documentation for all disabilities should describe the extent of the disability and recommended accommodations.

A diagnosis of Attention Deficit Disorder (ADD) or Attention Deficit Hyperactivity Disorder (ADHD) must be supported by a current (administered within the past three years) comprehensive evaluation and relevant neuropsychological or psychoeducational assessment batteries. The report must include documented information that the patient meets criteria for long standing history, impairment, and pervasiveness. The report must include specific diagnosis of ADHD based on the DSM-IV diagnostic criteria.

- [Candidate Application for Special Testing Accommodations](#), or go to www.bpi.org
- [Provider Application for Special Testing Accommodations](#), or go to www.bpi.org
- Clinical evaluation on official letterhead (letter or detailed report)

Please submit the forms at least thirty (30) days prior to your scheduled exam.

Once these forms have been reviewed the applicant will receive notification from BPI. If approved, you must bring the approval notice with you to the BPI Test Center.

Appendix E – Language Barrier Testing Accommodations

Language Barrier Testing Accommodations

If you have difficulty in comprehending the language of the exam, you have the right to inquire in advance of testing whether any accommodations may be available to you. BPI shall allow the candidate, at his or her expense, to have an interpreter present at either online or field exam, provided that the interpreter is a bona fide interpreter that is engaged in that profession and that is pre-approved by BPI.

BPI Standard Testing Accommodations for candidates with a language barrier.

Online Exams:

Exam times will be doubled.

Field Exams:

Exam times will be doubled.

- [Candidate Application for Language Barrier Testing Accommodations](#), or go to www.bpi.org

Please submit the form at least thirty (30) days prior to your scheduled exam.

Once the form has been reviewed, the applicant will receive notification from BPI. If approved, you must bring the approval notice with you to the BPI Test Center.

Appendix F – BPI Parental or Guardian Consent and Waiver of Liability Form for Candidates Under the Age of 18



See Reverse for Waiver and Release of Liability, Assumption of Risk Agreement and Parental Consent and Indemnity Agreement

By initialing here, I (or parent/guardian if under 18 years of age) understand this is a two-sided document which contains important information on the reverse of this form and requires my signature on the final page
_____ (Initial here).

BY SIGNING, YOU ARE AGREEING TO THE TERMS AND CONDITIONS OF THIS WAIVER AND RELEASE OF LIABILITY. CANDIDATE MAY TAKE THE EXAM ONLY IF CANDIDATE AND PARENT/GUARDIAN AGREES TO THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF CANDIDATE AND PARENT/GUARDIAN DO NOT AGREE TO THE TERMS AND CONDITIONS, CANDIDATE SHALL SELECT "NO, I DO NOT AGREE" BELOW AND WILL NOT BE ALLOWED TO TAKE THE EXAM.

Dear Parent or Guardian:

We appreciate your child's interest in learning building science and preparing for employment in the residential energy efficiency industry. BPI Professionals perform diagnostics, repairs, and install improvements on homes that translate into energy savings, improved comfort, and more durable homes. While every precaution is taken to ensure a safe exam experience for candidates, existing homes do present certain dangers. BPI and the BPI Test Center delivering this exam rely on mature, responsible professional proctors to deliver exams, however there are certain hazards inherent in the exam process. Accordingly, it is our policy to require the execution of this Consent Waiver of Liability Form by a parent or guardian of candidates under the age of 18. Please be aware that the laws of your state may prohibit persons under the age of 21 from obtaining employment in certain construction related fields.

Please acknowledge your consent and agreement to the following by signing below:

I am the parent and/or legal guardian of _____, who is _____ years old,
full name of candidate age
and he/she has my permission to participate in the BPI exam process.

On behalf of said minor, I hereby release BPI, the BPI Test Center, their officers, agents, employees, volunteers, owner(s), administrators, directors, officers, trainers, and employees from and against any liability, damages, expenses, or injury including medical expenses and/or property damage cause or sustained by said minor or third parties while engaging in or as a result of the exam process. I further agree to personally indemnify BPI, the BPI Test Center, their officers, agents, employees, volunteers, owner(s), administrators, directors, officers, trainers, and employees from and against any liability, damages, expenses, illness, or injury including medical expenses and/or property damage cause or sustained by said minor or third parties while engaging in or as a result of the exam process.

Waiver and Release, Assumption of Risk and Parental Consent and Indemnity Agreement

In consideration of my being allowed to participate in BPI exam activities, I agree:

1. I understand the nature of BPI exam activities for the certification for which I have applied, and I am aware of my training, experience, and capabilities, and believe I am qualified to participate in such activity.
2. I further acknowledge that I am aware the activities will be conducted in facilities that may contain unsafe or potentially hazardous conditions, including but not limited to:
 - Electric and combustion appliances, including ducting, venting, wiring, and other conditions, and components which may be in unsafe condition
 - Mold, lead paint, asbestos, and other hazardous or toxic chemicals
 - Improperly installed or faulty electrical wiring
 - Structures which may be in unsafe condition

- Dangerous combustion gases, including carbon monoxide, and dangerously hot or combustible materials, which may be in unsafe condition
- 3. I understand that I will be required to use electrical or battery-powered equipment and tools.
- 4. I understand I may be required to climb on or walk in, on, or around walls, floors, yards, attics, and cellars of buildings that may be in unsafe condition.
- 5. I further agree and warrant that if I believe conditions to be unsafe, I will immediately discontinue participation in the activity.
- 6. I understand the exam will be videotaped for quality assurance purposes, but may not be reviewed by the candidate, parent, or trainer.
- 7. **I fully understand** that:
 - a. Exam activities involve risks and dangers of **serious bodily injury, including permanent disability, paralysis, and death** (“Risk”).
 - b. These risk and dangers may be caused by me or the actions or inactions of others participating in the activity, the condition in which the activity takes place, or the **negligence of the “releasees” named below**.
 - c. There may be other risk and social and economic losses either known to me or not readily foreseeable at this time; and **I fully accept and assume all such risks and all responsibility for losses, cost, and damages** incurred as a result of my participation in these activities.

I HEREBY RELEASE , DISCHARGE, COVENANT NOT TO SUE, AND AGREE TO INDEMNIFY AND SAVE HOLD HARMLESS BPI, THE BPI TEST CENTER, THEIR OFFICERS, AGENTS, EMPLOYEES, VOLUNTEERS, OWNER(S), ADMINISTRATORS, DIRECTORS, OFFICERS, TRAINERS, AND EMPLOYEES (EACH CONSIDERED ONE OF THE “RELEASEES” HEREIN) FROM ALL LIABILITY, CLAIMS, DEMANDS, LOSSES, OR DAMAGES ON MY ACCOUNT CAUSED OR ALLEGED TO BE CAUSED IN WHOLE OR IN PART BY CANDIDATE, BY THE NEGLIGENCE OF THE “RELEASEES” OR OTHERWISE, INCLUDING NEGLIGENT RESCUE OPERATIONS, AND FURTHER AGREE THAT IF, DESPITE THIS RELEASE, I, OR ANYONE ON MY BEHALF MAKES A CLAIM AGAINST ANY OF THE “RELEASEES” NAMED ABOVE, I WILL INDEMNIFY, SAVE AND HOLD HARMLESS EACH OF THE RELEASEES FROM ANY LITIGATION EXPENSES, ATTORNEY FEES, LOSS OF LIABILITY, DAMAGE OR COST THAT MAY INCUR AS THE RESULT OF ANY SUCH CLAIM.

Consent and Release of Parent or Guardian

I am the parent or guardian of the child applying to take the BPI exam for certification. My child is fit for participation in these exam activities, and I consent to my child’s participation. **I have read and understand the application and this waiver and release.** In consideration of allowing my child to participate, I consent to it and agree that **its terms shall likewise bind me, my child, my heirs, legal representative, and assignees. I hereby release and shall defend, indemnify and hold harmless the releasees from every claim and any liability** that I or my child may allege against the releasees (including reasonable attorney’s fees or cost) as a direct or indirect result of injury to me or my child because of my child’s participation in the event, **whether caused by the negligence of the releasees** or others. **I promise not to sue releasees** on my behalf or on behalf of my child regarding any claims arising from my child’s participation in any BPI exam activities.

- I agree and accept the terms and conditions of this agreement
- I do not agree (you will not be permitted to take the exams)

*****CAUTION*****

Read above carefully before signing. This document releases all liability of the releasees, and you may wish to seek legal counsel before signing.

Printed Name of Candidate for BPI Certification

Signature of Participant or Parent/Guardian

Date

Date

Appendix G – Continuing Education Units (CEUs) for HEP Certifications

Continuing Education Units (CEUs) are an integral aspect of BPI’s certifications. Continuing education permits BPI Certified Professionals to keep up with a quickly changing industry and bypass most online exams when renewing their certification(s). Continuing education improves a Certified Professional’s knowledge and ability to properly diagnose a home and recommend improvements.

BPI CEU Providers and existing BPI Test Centers are outside organizations who provide relevant continuing education and submit their courses to BPI for review for BPI Continuing Education Units (CEUs). Certified Professionals can search for opportunities for CEUs in their candidate account or by going to the bpi website at <https://exams.bpi.org/site/en/ce/search>. BPI does not endorse the content, instructor or guarantee quality of the course or instruction.

As an option to bypass the online testing at the time of recertification, candidates may have collected CEUs and applied them as described in Section 15 of this document. Active CEU values apply to a candidate’s certification(s) at the time of renewal. The required number of CEUs used to bypass online testing will not increase when renewing multiple certifications at the same time. Acquiring CEUs is an option for recertification and is not mandatory.

CEUs - Self-Attesting

BPI Certified Professionals that are self-attesting to CEUs for certification renewal must submit proof (certificates of completion must include course name, date and organization) through the [CEU Portal](#) no less than thirty (30) days prior to the certification expiration date. CEUs submitted less than thirty (30) days prior could result in those CEUs not being applied toward a candidate’s recertification. If you attended a BPI preapproved class that is not showing in your candidate account, please contact the presenter directly. Proof of attendance for BPI pre-approved courses must be submitted by the presenter. The candidate is responsible for ensuring that all CEU submissions are credited in their individual BPI candidate account as there are no extensions given.

***Any attempt at recertification that is unsuccessful will end the current certification.**

Categories and Category Definitions

All material should be considered with the following ratios (number of hours of training to number of CEUs awarded):

| Training Hours to CEU Ratio | Categories of CEU Consideration | |
|-----------------------------|---------------------------------|---|
| 1:1 | BPI Whole-house Training | Every hour of training earns 1 CEU (dedicated to whole-house applications and interactions and must incorporate 70% of content from the Knowledge, Skills and Abilities in the Scheme Handbook) |
| 2:1 | Specialized Software | 2 hours of training earns 1 CEU (e.g., trades related software training, such as audit, sizing and infiltration) |

| Training Hours to CEU Ratio | Categories of CEU Consideration | |
|-----------------------------|---------------------------------------|--|
| 2:1 | Non Whole-house Training | 2 hours of training earns 1 CEU (e.g., any non-building specific training without whole-house application, such as heating plant installation, framing, ventilation and blower door testing) |
| 3.5:1 | Building Code Sessions | 3.5 hours of training earns 1 CEU (e.g., sessions related to building codes) |
| 4:1 | Primary Certification Training | 4 hours of training earns 1 CEU (e.g., training designed for preparation of certification) |

BPI Whole House Training: Must incorporate 70% of content from BPI's Testing Knowledge Lists. (e.g. exterior/interior Inspection, lighting & appliances, combustion safety, blower door, moisture, air flow, insulation & R value, thermo dynamics-heat transfer, conduction, convection, radiation)

Specialized Software: Training related to software modeling, work scope development, audit, sizing and infiltration.

Non Whole-House Training: Any non-building specific training without whole-house application such as heating, plant installation, framing, ventilation, blower door testing, etc.

Building Code Sessions: Sessions related to building codes.

Primary Certification Training: Training designed in preparation for BPI certification.

Activities and Activity Definitions

| Activity | CEU Hours Max | Proof |
|-----------------------|---------------------------------|--|
| Technical Conferences | 20 CEUs per certification cycle | Proof of attendance/ Certificate of Completion |
| Classroom Trainings | Unlimited | Proof of attendance/ Certificate of Completion |
| Webinars | 10 CEUs per certification cycle | Certificate of Completion, email from presenter (included must be course name, date, organization, and length) |
| As Trainer | 15 CEUs per certification cycle | Proof from Employer/Self Employed see below |

| Activity | CEU Hours Max | Proof |
|--|--|--|
| Participation on BPI Committees (i.e., Certification Scheme Committee(s), Subject Matter Experts, Standards Technical Committee, Working Groups) | 6 CEUs per certification cycle | Committee roster and active participation in meetings (e.g., voting, attendance records) |
| Reading Articles | 10 CEUs per certification cycle | Certificate of completion including proof of successful quiz. Quiz developed by article publisher and on the article content |
| Author of Related Published Book | 10 CEUs per book with maximum of 20 CEUs per certification cycle | Date, Title and link to published book |
| Write a Related Educational Article | 2 CEUs per article / 10 CEUs per certification cycle | Date, Title and link to article |
| Presentation of Pre-Reviewed Material | 10 CEUs per certification cycle | Details about the course, BPI Approval and times |
| Online Training | Unlimited | Certificate of completion including proof of a successful quiz. Quiz developed by presenter on course content |
| *Certification cycle is the time between the date a certification was awarded and the expiration date. | | |

Technical Conference: Specific training sessions at technical conferences that align with BPI Standards and knowledge, skills and abilities (section 8 of this document) will be granted CEU credit(s). Candidates cannot get credit for attending a conference without proof of participation in training sessions.

Classroom Trainings: BPI considers classroom trainings to be educational sessions in which the instructor is conducting a program that aligns with BPI Standards and knowledge, skills and abilities (section 8 of this document) in real time; the instructor and students are engaged in the educational program at the same time.

Webinars: BPI defines webinars as those in which the instructor and student are separated by location but the instructor is conducting the program which aligns with BPI Standards and Testing Knowledge Lists in real time.

Trainer: Credits can be received by an individual who is instructing/teaching any training course that aligns with the BPI Standards and Testing Knowledge Lists.

Participation on BPI Committees: Candidate who participates on a BPI committee can receive CEU credit.

Reading Articles: Credit will be allowed for Certified Professionals reading any published article(s) that align with BPI Standards and Testing Knowledge Lists and passes a corresponding quiz related to the content of the article. These articles are usually pre-approved.

Author of Related Published Book: Credit may be allowed for authorship of published books related to BPI Standards and Testing Knowledge Lists.

Write a Related Educational Article: Credit may be allowed for authorship of published articles related to BPI Standards and Testing Knowledge Lists.

Presentation of Pre-reviewed Material: BPI considers live presentations to be educational sessions in which the instructor is conducting the program in real time. All material needs to be reviewed and approved prior to presentation.

Online Sessions: BPI considers online sessions to be educational sessions that align with BPI Standards and Testing Knowledge Lists that can be accessed at any time and where there is no live instructor. Candidates must pass a corresponding quiz related to the content of the course created by the presenter.

Limitation of Repeat Courses

CEUs will be awarded for activities that Certified Professionals participate in that are the same; however, a candidate will not earn CEUs for the same class taken more than two (2) times within a certification cycle.

Quality Assurance

Any CEUs that are submitted must align with the Knowledge Skills and Abilities listed in the Functions and Tasks (section 8) section of this document. BPI will perform random audits on continuing education units/credits submitted by candidates. This is to ensure CEU Quality Assurance. At its discretion, BPI reserves the right to change the status, revoke or withdraw any certification or CEU submitted based on any form of non-compliance found during a routine audit. Upon a quality assurance audit, CEUs submitted could have a status change (from approved to not approved, etc.) or the number of credits could be changed which could affect recertification. Candidates are responsible for checking their candidate account to make sure they have enough CEU credits.

Contact Information

Questions regarding CEUs can be addressed via email CEUs@bpi.org or call 1-877-274-1274 ext. 292.

Terms and Definitions

Appeal – Request by applicant, candidate or Certified Professional for reconsideration of any adverse decision made by the certification body related to her/his desired certification status.

BPI National Standards – The set of technical protocols and procedures that have been developed through an open, transparent, consensus based process and are intended to achieve a high quality of residential building performance. BPI is approved by the American National Standards Institute, Inc. (ANSI) as an accredited developer of American National Standards.

Candidate – Applicant who has fulfilled specified prerequisites, allowing his/her participation in the certification process.

Certified Professional – An individual who successfully passes the BPI online and field exam requirements for certification.

Certification Process – All activities by which a certification body establishes that a person fulfills specified competence requirements, including application, evaluation, decision on certification, surveillance and recertification, use of certificates and logos/marks.

Certification Scheme – Specific certification requirements related to specified categories of persons to which the same particular standards and rules, and the same procedures apply.

Certification System – Set of procedures and resources for carrying out the certification process as per a certification scheme, leading to the issue of a certificate of competence, including maintenance.

Competence – Demonstrated ability to apply knowledge and/or skills and, where relevant, demonstrated personal attributes, as defined in the certification scheme.

Complaint – Conformity assessment request by any organization or individual to a certification body, for corrective action relating to the activities of that body or to those of any of its customers.

Continuing Education Units (CEUs) – Coursework, seminars and educational activities (training and writing) pertaining to building science that can be used to further an individual's knowledge, skills and understanding of whole-house building science. Continuing Education Units (CEUs) can be applied toward recertification of earned BPI certifications.

Evaluation – Process that assesses a person's fulfillment of the requirements of the scheme, leading to a decision on certification.

Exam – Mechanism that is part of the evaluation, which measures a candidate's competence by one or more means such as online, oral, practical and observational.

Essential Learnings – Comprehensive list of Energy Auditor functions and tasks as determined by a job task analysis.

Proctor – Person with relevant technical and personal qualifications, competent to conduct and/or score an exam; an individual approved to administer BPI certification exams.

Qualification – Demonstration of personal attributes, education, training and/or work experience.

Quality Assurance – The observation techniques and activities used externally by an organization to evaluate the effectiveness of their quality management system and to provide feedback that may result in quality improvements.

Recertification – Process of confirming conformity with current certification requirements.

Scheme Committee – Group of people chosen by the certification body to provide input, recommendations, guidance and review of a certification scheme.

Surveillance – Periodic monitoring during the period of certification of a Certified Professional's performance to ensure continued compliance with the certification scheme

Test Center – An organization with a legal agreement between itself and BPI; authorized to give BPI certification exams.