### 1. Please complete the following for each training course

<table>
<thead>
<tr>
<th>Orientation of Competency with Functional Roles</th>
<th>FBPTA Core Competency</th>
<th>Technical Review Submission Completion Date: January 3, 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Often Aligned with Facility Management roles (4/6 Core Competencies)</td>
<td>-</td>
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<tr>
<td>Often Aligned with Building Operations Professional roles (6/4 Core Competencies)</td>
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<tr>
<td>Often Aligned with Environment Management roles (2/6 Core Competencies)</td>
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<tr>
<td>Often Aligned with Safety Management roles (2/6 Core Competencies)</td>
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<td>-</td>
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<tr>
<td>Often Aligned with other roles (2/6 Core Competencies)</td>
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#### 1.1.1. Demonstrate familiarity with Building Systems.

- **Task:** The course includes a detailed discussion of the building systems and their roles in building operations. The course covers HVAC, building envelop, structural and roofing systems, among others.

- **Expected Learning Results:**
  - **Knowledge:** Students should be able to identify and explain the various systems and their functions in a building.
  - **Skills:** Students should be able to work with building systems to ensure their proper operation.

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</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>From review of Part 1 of the course, it is clear that the course covers HVAC, building envelop, structural and roofing systems and their functions in building operations. Although, it does not cover the electrical systems portion of the course.</td>
<td>No</td>
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</table>
1.1.3.Demonstrate ability to oversee the acquisition, installation, and operation of building systems.

1.1.7.Demonstrate ability to manage corrective, preventive and predictive maintenance.

1.2.4.Demonstrate ability to manage the maintenance and cleaning of performance.

1.2.1. Perform diagnostic testing and compare results with performance criteria. The course described the specific maintenance strategies listed: corrective, preventive and predictive. Please specify detailed procedures addressed in the three maintenance strategies.

2.1.1. Demonstrate knowledge of how to evaluate building structures and permanent interiors.

2.2.3. Demonstrate ability to manage the continuous and effective performance of furniture and equipment.

2.2.4. Demonstrate ability to manage the maintenance and cleaning of furniture and equipment.

3.1.2.4. Demonstrate ability to manage the maintenance and cleaning of building systems. The course described the specific maintenance strategies listed: corrective, preventive and predictive. Please specify detailed procedures addressed in the three maintenance strategies.

4.1.1. Demonstrate ability to manage the maintenance and cleaning of building systems. The course described the specific maintenance strategies listed: corrective, preventive and predictive. Please specify detailed procedures addressed in the three maintenance strategies.
### 1.3.1 Demonstrate familiarity with managing grounds and exteriors, parking structures, site utilities, landscaping and grounds, exterior envelope (roof, brick, masonry, etc.).

**Yes**

This course includes a full description of the objectives and the knowledge learners acquired, the course also includes information about assessing needs for grounds or exterior element alterations. It also includes an overview of retrofits which are included in the Design, Operations and Maintenance part II.

**Yes**

The course includes information about assessing needs for grounds or exterior element alterations. It also includes an overview of retrofits which are included in the Design, Operations and Maintenance part II.

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The learning objectives and skills/materials covered in the course appear to demonstrate knowledge of how to maintain HVAC systems. However, the performance criteria is intended primarily for building operators, it does not sufficiently provide for the ability to physically maintain the HVAC system. The course appears to demonstrate knowledge of how to maintain HVAC systems. However, the performance criteria is intended primarily for building operators, it does not sufficiently provide for the ability to physically maintain the HVAC system. The course appears to demonstrate knowledge of how to maintain HVAC systems. However, the performance criteria is intended primarily for building operators, it does not sufficiently provide for the ability to physically maintain the HVAC system.
2. Demonstrate knowledge and ability to maintain plumbing fixtures, sewage ejectors, and water heaters.

2.2.4. Demonstrate knowledge and ability to maintain plumbing fixtures, sewage ejectors, and water heaters. Partial. This course received credit because the information provided does not specifically define or state how the course provides knowledge of how to maintain plumbing fixtures, sewage ejectors, and water heaters. However, as the performance criteria is intended primarily for building operators, it does not sufficiently provide information or course material. Keeping pressure reducing valves through regular cleaning and periodic replacement of strainers is addressed. Regarding course delivery, simulations are at the discretion of the instructor and client.

2.2.6. Demonstrate knowledge and ability to all drains and backflow preventers. Partial. This course received credit because the information provided does not specifically describe how the course provides knowledge of how to physically maintain all drains and backflow preventers. The learning methods provided state that simulation and other resources are used. Is simulation used to demonstrate ability? After finishing this course, would the student leave with the ability to physically maintain drains and backflow preventers? If so, please provide more information or course material.

2.2.7. Demonstrate knowledge and ability to maintain pressure-reducing valves. Partial. This course received credit because the information provided does not specifically define or state how the course provides knowledge of how to maintain pressure-reducing valves. However, the information provided does not specifically define or state how the course describes how the course provides learners knowledge about types of pressure reducing valves. Please provide additional information about how maintenance of these devices is performed. Partial. This course received credit because the information provided does not specifically describe how the course provides learners knowledge about types of pressure reducing valves. The learning methods provided state that simulation and other resources are used. Is simulation used to demonstrate ability? After finishing this course, would the student leave with the ability to maintain pressure reducing valves? If so, please provide more information or course material.
<table>
<thead>
<tr>
<th>No.</th>
<th>Learning Objectives</th>
<th>Description</th>
<th>Yes/No</th>
<th>Yes/No</th>
<th>Yes/No</th>
<th>Yes/No</th>
<th>Yes/No</th>
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<tbody>
<tr>
<td>1.1</td>
<td>Demonstrate knowledge and ability to maintain roof systems.</td>
<td>This course provides general knowledge of how to maintain roof systems. However, the performance criteria is intended primarily for training purposes, it does not sufficiently provide information about the ability to physically maintain roof systems.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>2.1</td>
<td>Demonstrate knowledge and ability to maintain flooring systems.</td>
<td>This course provides general knowledge of how to maintain flooring systems. However, the performance criteria is intended primarily for training purposes, it does not sufficiently provide information about the ability to physically maintain flooring systems.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>3.1</td>
<td>Demonstrate knowledge and ability to maintain window systems.</td>
<td>This course provides general knowledge of how to maintain window systems. However, the performance criteria is intended primarily for training purposes, it does not sufficiently provide information about the ability to physically maintain window systems.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>4.1</td>
<td>Demonstrate knowledge and ability to maintain ceiling tiles.</td>
<td>This course provides general knowledge of how to maintain ceiling tiles. However, the performance criteria is intended primarily for training purposes, it does not sufficiently provide information about the ability to physically maintain ceiling tiles.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</table>

Part I covers HVAC systems and the building envelope. Part II covers electrical systems, motors and drives, lighting systems, and fuel systems. Partial. This course received credit because it demonstrates knowledge about the following building systems and how they affect energy use: HVAC systems and the building envelope. Partial. This course received credit because it demonstrates knowledge about the following building systems and how they affect energy use: HVAC systems and the building envelope.
<table>
<thead>
<tr>
<th>Skills, and learning objectives</th>
<th>Performance criteria</th>
<th>Partial. This course received credit for...</th>
<th>Partial. Based on the review of the learning objectives and the skills/materials covered, the course includes information about...</th>
<th>Yes Yes Yes Yes Yes...</th>
<th>Yes Yes Yes Yes Yes...</th>
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<tbody>
<tr>
<td>Demonstrate knowledge of proper water treatment and main...</td>
<td>Performance criteria...</td>
<td>Yes, based on the review of the learning objectives and the skills/materials covered...</td>
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<td>Demonstrate knowledge of the Energy Savings Performance...</td>
<td>Performance criteria...</td>
<td>Yes, based on the review of the learning objectives and the skills/materials covered...</td>
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<tr>
<td>6</td>
<td>6.1.5</td>
<td>Demonstrate knowledge of certification systems used by the Federal Government and industry (e.g., Leadership Energy Environmental Design (LEED), Green Globes).</td>
<td>Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge of certification systems used by the Federal Government and industry (e.g., Leadership Energy Environmental Design (LEED), Green Globes).</td>
<td>2019 Fall 2019 Fall 2019 Fall 2019 Fall 2019 Fall</td>
<td>Although it is clear that trends popularized by LEED, such as roles and relationships to sustainable design, are included within the course, it is not clear that the course provides information on LEED energy rating systems. Please clarify if the course discusses specific LEED systems included within LEED and if the course discusses criteria included in any other certification systems, such as Green Globes.</td>
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<td>6.1.5</td>
<td>Demonstrate knowledge of certification systems used by the Federal Government and industry (e.g., Leadership Energy Environmental Design (LEED), Green Globes).</td>
<td>Examples of the employment of certification systems are currently limited to LEED and Energy Star.</td>
<td>2019 Fall 2019 Fall 2019 Fall 2019 Fall</td>
<td>Link to course description on website.</td>
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