

**FORM FOR SCORING OF TRAINING RESOURCE TO FULFILL FEDERAL BUILDING PERSONNEL TRAINING ACT (FBPTA) CORE COMPETENCIES**

The FBPTA requires Federal building personnel to demonstrate compliance with a set of Core Competencies. The General Services Administration (GSA) accepts submissions for courses, certificates, certifications, accreditations, registrations, licenses, and other qualifications that demonstrate alignment with the FBPTA Core Competencies. GSA will post resources that sufficiently map to FBPTA Core Competency requirements on the FMI webpage (www.fmi.gov) and may incorporate them into the Core Competency Web Tool. The Web Tool allows Federal buildings personnel to immediately claim credit for competencies met by completing approved training. FMI and the Core Competency Web Tool help Federal employees identify appropriate training, and allow Federal agencies to share information on training sources. To qualify for consideration, submitters complete this form describing how a specific training resource, certification / accreditation, license or other resource aligns with FBPTA core competencies through AskFMI@gsa.gov.

Initial Review Conducted By: Maria Fara

Initial Review Submission Completion Date: August 30, 2013

Technical Review Conducted By: Kathy Powers

Technical Review Submission Completion Date: January 02, 2014

**Alignment of Competency with Functional Roles**

	Often Aligned with Facility Management roles (24/43 Core Competencies)
	Often Aligned with Building Operations Professional roles (6/43 Core Competencies)
	Often Aligned with Energy Management Role (7/43 Core Competencies)
	Often Aligned with more than one role (6/43 Core Competencies)

**1. Please complete the following for each training course submitted for consideration:**

Training provider: BOMI International

Provider address information (primary physical location, including address, city, state, zip code): One Park Place Suite 475, Annapolis, MD 21401

Provider's primary point of contact for this learning resource (name, primary physical location (if different from provider address information), phone, and email): Ron Bishop, (410) 974-1410 x1259, rbishop@bomi.org

Title of this training resource: Building Design and Maintenance

Type of training course: Property and Facilities Management

Does this course provide CEUs (Continuing Education Units) and if so, how many and for what occupation or field? Yes, 24 CE hours towards LEED Credential Maintenance Program, plus 2 ACE semester hours.

Learning objective(s) associated with this training course: Maintain efficient and cost-effective building systems, Identify and explain the different types of building materials and structural components, Read, understand, and use construction documents, Know how a structure functions, and identify your role in maintaining it effectively.

Delivery method and learning methods (delivery methods may include online instruction, classroom instruction, or other means, and learning methods could include lecture, group work, essay work, quizzes, or other learning activities): Instructor Led Online, Self-Study, Live Classroom/Accelerated Review. Learning Methods, lecture, group work, quizzes, practice exam, 3rd Party proctored final exam.

Length of training (in hours): 24 Hours

URL link to information about the training course, content, and/or syllabus: <http://www.bomi.org/Courses/Building-Design-and-Maintenance/>

**2. Review the course objective(s) that have been submitted as being aligned with required FBPTA performance criteria. Review the learning methods in the course that will support that learning objective(s).**

FBPTA Core Competency Area	FBPTA Core Competency	Required FBPTA performance criteria	Based on technical review of learning objectives and skills, does this resource map to the performance criteria?	Initial Review: Are all submission requirements included?	Initial Review: Are descriptions clear and logical?	Initial Review: Are all materials referenced included with the submission?	Technical Review: Learning Objectives Reviewed	Technical Review: Skills Reviewed	Technical Review: Are there any clarifications requested?	If clarification requested, note here	Clarification Response From Provider	Technical Review: Identify other materials submitted	Technical Review: Other Materials Reviewed
Facilities O&M	1.1 Management of Building Systems	1.1.1.Demonstrate familiarity with Building Systems.	Yes, based on the clarification response from the Provider it appears that the course will demonstrate familiarity with Building Systems.	Yes	Yes	No	Yes	Yes	Yes	It does not appear that the course covers HVAC, electrical, plumbing or fire protection. Request clarification and course content relevant to this specific performance criteria.	These topics are addressed at a higher level, more focused on design but inclusive of maintenance as well. For more thorough treatment of these topics, refer to BOMI courses Air Handling, Water Treatment, and Plumbing Systems; and Electrical Systems and Illumination.		
		1.1.4 Demonstrate ability to work with Facilities Team to establish practices and procedures.	Yes, based on the learning objectives and skills/material reviewed the course should cover the ability to work with Facilities Team to establish practices and procedures.	Yes	Yes	No	Yes	Yes	No				
		1.1.7.Demonstrate ability to manage corrective, preventive and predictive maintenance.	Yes, based on the clarification response from the Provider it appears that the course will demonstrate ability to manage corrective, preventive and predictive maintenance.	Yes	Yes	No	Yes	Yes	Yes	It does not appear that the course covers predictive maintenance. Request clarification and course content relevant to this specific performance criteria.	Predictive maintenance is specifically addressed in this course. Most BOMI courses incorporate predictive maintenance into preventive, however this course makes a distinction and provides the added benefits of predictive maintenance.		
		1.1.8.Demonstrate ability to work with Facilities Team to develop emergency procedures for building systems.	No, based on the learning objectives, skills/material, and clarification response from the Provider it does not appear the course covers the ability to work with Facilities Team to develop emergency procedures for building systems.	Yes	Yes	No	Yes	Yes	Yes	It does not appear that the course covers actual emergency procedures for building systems like emergency lighting, generators, etc. Request clarification and course content relevant to this specific performance criteria.	The need for emergency procedures is included, but the course is more focused on addressing emergency response needs on a design level, such as designing in emergency egress, power, lighting, etc.		

1. Management of Facilities	1.2 Management of Building Interior	1.2.1. Demonstrate knowledge of how to evaluate building structures and permanent interiors.	Yes, based on the clarification response from the Provider it appears that the course will demonstrate knowledge of how to evaluate building structures and permanent interiors.	Yes	Yes	No	Yes	Yes	Yes	It does not appear that the course demonstrates the evaluation of building structures, meaning the existing condition. Request clarification and course content relevant to this specific performance criteria.	There is thorough coverage of this topic in Chapter 10, Building Operation and Maintenance. The chapter includes a section on maintenance decisions, and how to consider factors such as moisture, dirt, wear, and other elements affecting building structures and permanent interiors.		
		1.2.2. Demonstrate ability to manage the service/repair requests and maintenance and cleaning needs of building structures and permanent interior elements.	Yes, based on the learning objectives and skills taught it appears that the course will demonstrate the ability to manage the service/repair requests, maintenance, cleaning needs of building structures, and permanent interior elements.	Yes	Yes	No	Yes	Yes	No				
	1.3 Management of Building Exterior	1.3.1. Demonstrate familiarity with managing grounds and exteriors, parking structures, site utilities, landscaping and grounds, exterior envelope (roof, brick, masonry, etc.).	Yes, based on the clarification response from the Provider it appears that the course will demonstrate familiarity with managing grounds and exteriors, parking structures, site utilities, landscaping and grounds, exterior envelope (roof, brick, masonry, etc.).	Yes	Yes	No	Yes	Yes	Yes	It does not appear that the course covers site utilities. Request clarification and course content relevant to this specific performance criteria.	Focus is greater on considering site utilities with respect to building design, however maintenance is addressed, including the need to keep a utilities log along with your operations log.		
		1.3.3. Demonstrate ability to evaluate the performance of grounds and exterior elements.	Yes, based on the learning objectives and skills listed for 1.3.1 and 1.3.3, it appears that the course will demonstrate ability to evaluate the performance of grounds and exterior elements.	Yes	Yes	No	Yes	Yes	No				
		1.3.5. Demonstrate ability to manage the maintenance and custodial needs of grounds and exterior elements.	Partial. Based on the learning objectives, skills/material, and the clarification response from the Provider it appears that the course covers the ability to manage the maintenance needs of grounds and exterior elements only and does not cover custodial needs of grounds and exterior elements.	Yes	Yes	No	Yes	Yes	Yes	It does not appear that the course covers custodial needs of grounds and exterior elements.	This topic is touched on in this course, but is better addressed in other BOMI courses.		
	2. Performance of Facilities O&M	2.4. General Building Maintenance	2.4.2. Demonstrate knowledge and ability to maintain roof systems.	Yes, based on the clarification response from the Provider it appears that the course will demonstrate knowledge and ability to maintain roof systems.	Yes	Yes	No	Yes	Yes	Yes	It appears the course covers the knowledge of roof systems but not the ability to maintain roof systems. Request clarification and course content relevant to this specific performance criteria.	The chapter on roofing systems includes extensive coverage of roof maintenance and repair.	
2.4.5. Demonstrate knowledge and ability to maintain window systems.			Yes, based on the learning objectives and skills listed, it appears that the course will demonstrate knowledge and ability to maintain window systems.	Yes	Yes	No	Yes	Yes	No				
3. Technology	3.3. Maintenance Management System (MMS)	3.3.1. Demonstrate knowledge of Maintenance Management Systems (MMS) - Computer Assisted Facilities Management (CAFM) and Computerized Maintenance Management Systems (CMMS)	Yes, assuming the skills listed are all CMMS skills, then it appears the course will demonstrate knowledge of Maintenance Management Systems - Computer Assisted Facilities Management (CAFM) and Computerized Maintenance Management Systems (CMMS).	Yes	Yes	No	Yes	Yes	No				
5. Safety	5.2. Infrastructure	5.2.9. Demonstrate the ability to manage Compliance with elevator inspection requirements.	Yes, based on the learning objectives and skills listed, it appears that the course will demonstrate the ability to manage compliance with elevator inspection requirements.	Yes	Yes	No	Yes	Yes	No				
	5.4. Occupant Interface	5.4.5. Demonstrate knowledge of and ability to manage adequate ventilation of work spaces, adequate exhaust and makeup air, no short circuit designs.	Partial. Based on the learning objectives, skills/material, and the clarification response from the Provider, it appears the course covers ventilation of parking garages but not interior work spaces.	Yes	Yes	No	Yes	Yes	Yes	It appears the course covers ventilation of parking garages but not interior work spaces. Request clarification and course content relevant to this specific performance criteria.	This topic is touched on in this course, but is better addressed in other BOMI courses.		
6. Design	6.1. Planning	6.1.5. Demonstrate knowledge of certification systems used by the Federal Government and industry (e.g., Leadership Energy Environmental Design (LEED), Green Globes).	No, it does not appear that the course demonstrates knowledge of certification systems used by the Federal Government and industry (e.g., Leadership Energy Environmental Design (LEED), Green Globes).	Yes	Yes	No	Yes	Yes	No				
	6.2. Infrastructure Systems	6.2.1. Demonstrate knowledge and understanding of the design basis of all applicable Architectural and Engineering Systems.	No, it does not appear that the course demonstrates the knowledge and understanding of the design basis of all applicable Architectural and Engineering Systems.	Yes	Yes	No	Yes	Yes	Yes	It appears the course does not cover HVAC systems, electrical systems, telecommunication systems, lighting systems, fire protection systems, BAS, IT systems, interior design, plumbing systems, occupant needs & requirements/controls or resource flow. Request clarification and course content relevant to this specific performance criteria.	This course addresses these topics and how they relate to/affect one another. For specific details on the design basics, refer to other BOMI courses, especially The Design, Operation, and Maintenance of Building Systems, Part I and Part II; Fundamentals of Facilities Management, Electrical Systems and Illumination; Air Handling, Water Treatment, and Plumbing Systems, and Energy Management and Controls.		

9. Project Management	9.3. Close-out	9.3.1. Demonstrate ability to manage and coordinate contractor performance.	<p>No, it does not appear that the course demonstrates knowledge of and ability to:</p> <ul style="list-style-type: none"> <li>o Obtain project as-builts</li> <li>o Perform project close-outs</li> <li>o Create and complete project punch-lists</li> <li>o Obtain certificate of occupancy</li> <li>o Accept beneficial use</li> <li>o Commission the project</li> <li>o Review lessons learned</li> <li>o Work with contracting personnel to: <ul style="list-style-type: none"> <li>• Obtain lien waivers/release of liens if required</li> <li>• Issue final payment</li> <li>• Create budget variance report</li> </ul> </li> </ul>	Yes	Yes	No	Yes	Yes	No				
11. Leadership and Innovation	11.1. Communication and Administration	11.1.3. Demonstrate ability to perform administrative duties.	No, it does not appear that the course covers the ability to perform administrative duties.	Yes	Yes	No	Yes	Yes	Yes	It appears the course will demonstrate ability to perform construction management administrative duties but not facility management administrative duties. Request clarification and course content relevant to this specific performance criteria.	The course is more focused on construction management administrative duties, but does provide some FM administration tools as well. Refer to Managing the Organization for learning on the execution of administrative duties.		