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: October 28, 2013

Technical Review Conducted By: Maria Fara

Technical Review Submission Completion Date: January 20, 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: **Defence Acquisition University**

Provider address information (primary physical location, including address, city, state, zip code): **9820 Belvoir Road Fort Belvoir, VA 22060**

Provider's primary point of contact for this learning resource (name, primary physical location (if different from provider address information), phone, and email):

Title of this training resource: **FE 301 - Advanced Facilities Engineering**

Type of training course: **Course**

Does this course provide CEUs (Continuing Education Units) and if so, how many and for what occupation or field?   **40 CEU Hours**

Learning objective(s) associated with this certificate program course:

Ten competencies were identified for FE 301. These build upon corresponding competencies in FE 201, the Level II Facilities Engineering course. The order is arbitrary; it does not reflect importance or sequence.
1.   Contrast approaches to facilities engineering and the facility lifecycle across services, both in concept and practice.
2.   Assess strategies for real estate acquisition and disposal.
3.   Defend a funding and resource strategy to support Facilities Engineering related mission requirements.
4.   Judge the adequacy of specific program documentation to include: acquisition baseline, risk management plan, budget estimates, acquisition plan, total ownership cost for the facilities engineering life cycle, anti-terrorism force protection (ATFP), and commercial best practices to support the facilities lifecycle
5.   Distinguish among common cost, schedule, and quality risks to select appropriate risk handling options and metrics.
6.   Defend an acquisition plan that supports a facilities engineering mission requirement.
7.   Adapt non-DoD Government and industrial best practices for inclusion in DoD facilities engineering.
8.   Evaluate total ownership cost (TOC) for the facilities engineering life cycle in an acquisition strategy.
9.   Develop effective controls to manage variations from baseline plans for cost, schedule, and quality in facilities lifecycles activities.
10.   Evaluate responses to external interventions in facilities lifecycle activities, including those by local stakeholders, congressional delegations, the public, and others.

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):

**• Realistic, scenario-based learning: Teams develop
solutions to DoD challenges facing FE professionals
and present those solutions to senior leadership.
Includes hands-on use of Internet FE resources.
• Target Audience: GS-13 and above.
• Prerequisites: ACQ 101, FE 201.**
Length of training (in hours): **40 hours**

URL link to information about the training course, content, and/or syllabus: **http://icatalog.dau.mil/onlinecatalog/courses.aspx?crs_id=253**

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
6. Design	6.1. Planning	6.1.1.Demonstrate knowledge and ability to conduct an assessment of "needs" that will evaluate whether current facilities can respond to a new requirement or whether a "project" must be developed to respond to the new requirement. http://www.wbdg.org/design/func_oper.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge and ability to conduct an assessment of "needs" that will evaluate whether current facilities can respond to a new requirement or whether a "project" must be developed to respond to the new requirement.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		6.1.2.Demonstrate knowledge and ability to participate on teams which implement the Agency/Department planning process to develop project requirements.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge and knowledge and ability to participate on teams which implement the Agency/Department planning process to develop project requirements.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		6.1.3.Demonstrate knowledge and ability to perform due diligence analysis. http://www.wbdg.org/design/use_analysis.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge and ability to perform due diligence analysis.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
9. Project Management	9.1. Initiate	9.1.1.Demonstrate ability to work in integrated project teams to execute, small, medium, and large projects. http://www.wbdg.org/project/deliveryteams.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to work in integrated project teams to execute, small, medium, and large projects.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		9.1.2.Demonstrate knowledge and ability to follow Project Management processes and procedures per your organization's preferred methodology. http://www.wbdg.org/project/pm.php#mr	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge and ability to follow Project Management processes and procedures per your organization's preferred methodology. http://www.wbdg.org/project/pm.php#mr	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
...t and Contracting	10.1. Total Cost of Ownership (TCO)	10.1.1.Demonstrate knowledge of the mission of the Facilities' Occupants and how the facilities enhance that mission.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge of the mission of the Facilities' Occupants and how the facilities enhance that mission.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.1.2.Demonstrate knowledge that the TCO is best determined through Life-Cycle Cost Analysis (LCCA) for facilities. Take course - http://www.wbdg.org/education/lifecyclecosting.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge that the TCO is best determined through Life-Cycle Cost Analysis (LCCA) for facilities.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.1.3.Demonstrate knowledge of how to find and calculate the basic costs required for an LCCA. Take course - http://www.wbdg.org/education/lifecyclecosting.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge of how to find and calculate the basic costs required for an LCCA.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
	10.3. Contracting	10.3.3.Demonstrate ability to assess technical requirements needed to ensure delivery and quality of services/products.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to assess technical requirements needed to ensure delivery and quality of services/products.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.1.Demonstrate ability to develop and manage a project/program budget.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to develop and manage a project/program budget.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.2.Demonstrate knowledge of budget submission requirements.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge of budget submission requirements.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes

		Topic	Justification									Resource	
10. Business, Budge	10.4. Budget Formulation and Execution	10.4.3.Demonstrate knowledge of historical budget records and costs and how to use in forecasting.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge of historical budget records and costs and how to use in forecasting.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.4.Demonstrate ability to quantify potential for cost savings and cost avoidance.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to quantify potential for cost savings and cost avoidance.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.5.Demonstrate ability to use an LCCA in budget preparation. Take course - http://www.wbdg.org/education/lifecyclecosting.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to use an LCCA in budget preparation.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.6.Demonstrate ability to identify quantitative and qualitative risks.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to identify quantitative and qualitative risks.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.7.Demonstrate ability to advocate for funding using economic analysis. REVIEW - http://www.wbdg.org/design/use_analysis.php	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to advocate for funding using economic analysis.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		10.4.8.Demonstrate ability to prioritize projects or programs based on funding levels.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to prioritize projects or programs based on funding levels.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
11. Leadership and Innovation	11.1. Communication and Administration	11.1.1. Demonstrate ability to communicate clearly.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to communicate clearly.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
	11.3. Innovation	11.3.2.Demonstrate knowledge and ability to assess risks and opportunities.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge and ability to assess risks and opportunities.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
	11.4. Enterprise Knowledge and Strategic Decision Making	11.4.5.Demonstrate ability to strategically allocate all forms of "capital" – human(people), physical(facilities), economic(money) and environmental(land and resources).	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to participate in the organization's strategic planning at the executive level in order to translate between the organization's missions and its facilities portfolio and clearly communicate how real estate and facilities can support these missions.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		11.4.6.Demonstrate ability to provide decision makers with better information about the total long-term costs and consequences of a particular course of action.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to ability to strategically allocate all forms of "capital" – human(people), physical(facilities), economic(money) and environmental(land and resources).	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes
		11.4.7.Demonstrate ability to participate in the organization's strategic planning at the executive level in order to translate between the organization's missions and its facilities portfolio and clearly communicate how real estate and facilities can support these missions.	Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include ability to participate in the organization's strategic planning at the executive level in order to translate between the organization's missions and its facilities portfolio and clearly communicate how real estate and facilities can support these missions.	Yes	Yes	Yes	Yes	Yes	No			Course material and student guide	Yes