FORM FOR SCORING OF TRAINING RESOURCE TO FULLFILL 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

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 the concepts of engineering design and the facility lifecycle across services, both in concept and practice.
     2. Assess strategies for real estate acquisition and disposal.
     3. Evaluate the adequacy of specific program documentation to include: acquisition baseline, risk management plan, budget estimate, capital cost estimate, 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.
     4. Distinguish among common cost, schedule, and quality risks to select appropriate risk handling options and metrics.
     5. Defend an acquisition plan that supports a facilities engineering mission requirement.
     6. Define the appropriate courses of action to manage variations from baseline plans for cost, schedule, and quality in facilities lifecycle activities.
     7. 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 engineering challenges facing FE professionals and present those solutions to senior leadership. Includes hands-on use of Internet FE resources.
   - Length of training (in hours):
     40 hours
   - URL link to information about the training course, content, and/or syllabus:

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)

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<tr>
<td>6. Design</td>
<td>6. Planning</td>
<td>6.1. Demonstrate knowledge and ability to conduct an assessment of &quot;needs&quot; that will evaluate whether current facilities can respond to a new requirement or whether a &quot;project&quot; must be developed to respond to the new requirement.</td>
<td>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 &quot;needs&quot; that will evaluate whether current facilities can respond to a new requirement or whether a &quot;project&quot; must be developed to respond to the new requirement.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>6.2. Demonstrate knowledge and ability to participate on teams which implement the Agency/Department planning process to develop project requirements.</td>
<td>Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge and ability to participate on teams which implement the Agency/Department planning process to develop project requirements.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>6.3. Demonstrate knowledge and ability to perform due diligence analysis.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5. Project Management</td>
<td>5.1. Validate</td>
<td>5.1.1. Demonstrate ability to work in integrated project teams to execute, small, medium, and large projects.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.1.2. Demonstrate knowledge and ability to follow Project Management processes and procedures per your organization's preferred methodology.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.1.3. Demonstrate knowledge of the mission of the Facilities/Occupants and how the facilities enhance that mission.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.2. Demonstrate knowledge that the TCO is best determined through Life Cycle Cost Analysis (LCCA) for facilities.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.3. Demonstrate knowledge of how to find and calculate the basic costs required for an LCCA.</td>
<td>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 LCCA.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.4. Demonstrate ability to assess technical requirements needed to ensure delivery and quality of services/products.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.5. Demonstrate ability to develop and manage a project/program budget.</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>5.6. Demonstrate knowledge of budget submission requirements.</td>
<td>Yes, based on the review of the learning objectives and the skills/materials covered, the topics listed should include knowledge of budget submission requirements.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Acquired material and student guide</td>
<td>Yes</td>
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<td>11.3.2. Demonstrate knowledge of historical budget records and costs and how to use in forecasting.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.4. Demonstrate ability to quantify potential for cost savings and cost avoidance.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.5. Demonstrate ability to use an LCCA in budget preparation.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.6. Demonstrate ability to identify quantitative and qualitative risks.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.7. Demonstrate ability to advocate for funding using economic analysis.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.8. Demonstrate ability to prioritize projects or programs based on funding levels.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<td>Yes</td>
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<td>11.1.1. Demonstrate ability to communicate clearly.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.2. Demonstrate knowledge and ability to assess risks and opportunities.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Course material and student guide</td>
<td>Yes</td>
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<td>11.3.5. Demonstrate ability to strategically allocate all forms of &quot;capital&quot; (human/technical, physical, economic, environmental) and its facilities portfolio and clearly communicate how real estate and facilities can support these missions.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<td>Yes</td>
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<td>11.3.6. 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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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