Project Controls Fellowship Program (PCFP)

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Agenda

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- Background
- Communication Strategy
- Development Framework
- Application to the PCFP
- Achieving Certification
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Overview

- Expand project controls capability and expertise DOE/NNSA-wide
- Integrate project controls and project management principles to provide leadership with the requisite accurate project performance information necessary to make informed decisions
- Develop a cohort of experts in Earned Value Management Systems (EVMS) and/or Integrated Master Scheduling, and/or other advanced project control methods

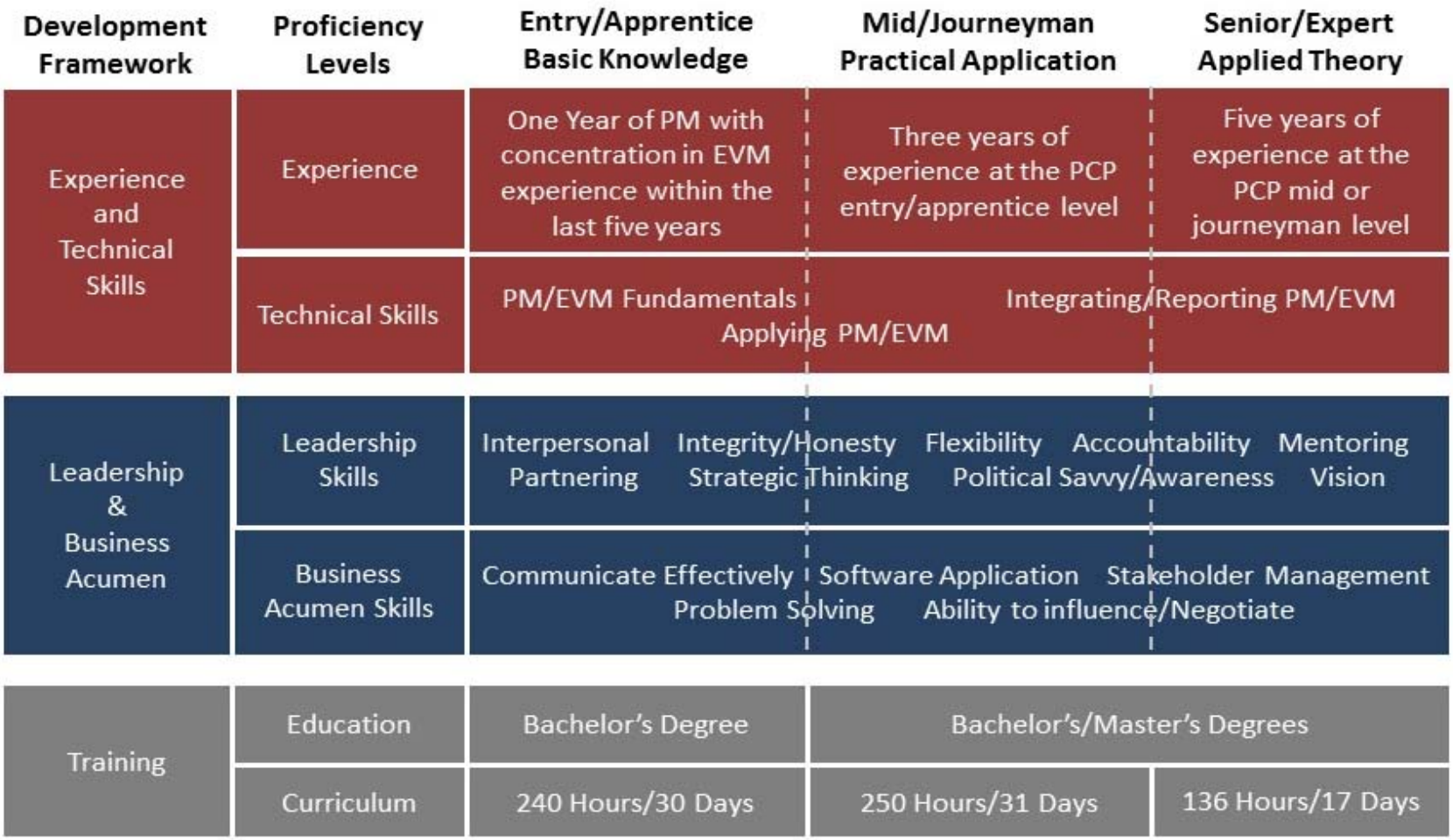
Background

- DOE Survey: "Improve DOE PM and EVM Integration”
- Process Action Team
  - Identify opportunities to remedy the issues revealed in the survey
    - consistent approach to applying desired project controls processes and standards
    - create the ability to make informed decisions that are consistently reported throughout the DOE enterprise through meaningful reporting of Earned Value and other project controls data
    - identify a progressive curriculum to develop required competence for project controls professionals within DOE
    - Develop a cohort of experts in Earned Value Management Systems (EVMS) and/or Integrated Master Scheduling, and/or other advanced project control methods

Communication Strategy

- Marketing “pull” strategy, versus a “push” strategy to attract, maintain, and promote qualified and motivated candidates for cohort
  - DOECAST, APM Newsletter and the DOE EM Updates monthly communications as an origination point to convey the interest, benefits
  - delivery of tailored messages to program offices and employees who have performed well on prior critical project reviews, including Internal Project Reviews, External Independent Reviews, Earned Value Management Assessments, etc.

Development Framework



Application to the PCFP

- **NOMINATION/SELECTION CRITERIA**

  - DOE Federal Employee
  - Hold a professional certification from a recognized organization or association
  - Hold an undergraduate degree in business or technical curriculum; preferably a Master's or other advanced degree
  - Hold a project controls or management position, and have a minimum of two years of DOE experience
  - Two references (one of which must be a current or recent past FPD)
  - 36 hours of project controls or project management training or continuing education credits earned during the last two period; 12 hours must be in the areas of risk management, project management, Earned Value Management, Scheduling, or Cost Estimating
  - Participation in two major DOE project controls or project management events/activities within the past three years
  - Extra-curricular achievements that demonstrate leadership, initiative, social consciousness, and a sense of responsibility
  - Personal statement to explain what motivates the candidate and why the candidate wants to participate in the Fellow Program.
  - Candidate interview with a selection committee. Note: As the capstone of an application process, selection will depend on a candidate's ability to speak cogently and to act appropriately under stress.

Achieving Certification

CURRICULUM FRAMEWORK	Entry/Apprentice Basic Knowledge (Team Member) 240 HRS	Mid/Journeyman Practical Application (Area Lead) 250 HRS	Senior/Expert Applied Theory (Team Lead) 136 HRS
Training & Courses	• Acquisition Management for Technical Personnel • DOE 24/7 EVMS Online • Project Management Systems and Practices • DOE Compliance/Surveillance Review Process and use of EVMSIH (TBD) • DOE 24/7 Scheduling Online • PME (Scope, Time, Schedule Modules) • EV Video Snippets 2.1-2.4 • Project Risk Analysis and Management • Managing Contract Changes	• BCF 206, Cost/Risk Analysis • BCF 215, Operating and Support Cost Analysis • Advanced Concepts in Project Management** • Scope Management Baseline Development • Cost and Schedule Estimation Analysis • Federal Budgeting Process in DOE • Leadership Through Effective Communication • Value Management	• EVMS204, Schedule Risk Assessments • EVMS206, Presentation Skills • Executive Communications • Advanced Earned Value Management Techniques • Systems Engineering • Strategic Planning
	Option 2 **AACEI** Earned Value Professional (EVP) Certified Cost Professional (CCP) Planning & Scheduling Professional (PSP)	Requires Mastery of DOE G 413.3-7 (Risk Management) Requires Mastery of DOE G 413.3-21 (Cost Estimating) Requires Mastery of DOE G 413.3-10A, Earned Value Management System (EVMS)	**DCMA** **PMCDP**
Continuous Learning *DOE EV Video Snippets*	• **1.1 DOE Order 413.B EVM Requirements** • **1.2 DOE EVMS Review Approach** • **1.3 EVMS Stage 1 Surveillance** • **1.7 DOE EVMS Certification** • **3.1A Integrated Master Schedule (IMS) Initial Baseline Review** • **3.2 Schedule Health Metrics** • **4.1 Over Target Baseline (OTB) and Over Target Schedule (OTS) Implantations**		• **4.8 Control Account Manager's Roles and Responsibilities** • **5.1 PARSII EVMS Reports Overview** • **6.1 Predictive Analysis** • **6.2 Applied Predictive Analysis** • **Life Cycle Cost Handbook** • **Work Breakdown Structure Handbook** • **GAO-12-120G (Schedule Assessment Guide)**

Transferring Expertise to Fields

- Concerted focus is being placed upon achieving a vertical depth of competency in Cost Estimating, Scheduling, Risk Management, Reporting, Project Management and Earned Value Management.

- Special emphasis is being placed upon cohort exposure to and participation on real-world applications, such as serving on review teams during critical project reviews and supporting projects at field office sites, such as serving as a functioning member of an Integrated Project Team (IPT).

“Rolodex” of Resources for Critical Reviews

- A database or “rolodex” of experts at each of the certification levels and those in-between will allow rapid identification of potential resources to serve on External Independent Reviews, Independent Project Reviews, Earned Value Assessments, and other critical site reviews and afford cross-functional exposure across the DOE enterprise

DOE PM Website - ENERGY.GOV/PM

Please find the full set of slides presented at the IPMW DOE Track on the DOE PM Website EVM Page http://www.energy.gov/projectmanagement/earned-value-management

EARNED VALUE MANAGEMENT

- Project Management
- Earned Value Management
  - EVMS Guidance
  - EVM SMEs
  - Training
  - Glossary of Terms & Acronyms
- Career Development (PMCDP)
- Policy Development
- Information Systems

KEY RESOURCES

- PMCDP
- EVMS
- PARS IIe
- FPD Resource Center
- PM Newsletter
- Forms and Templates

The mission of the DOE Earned Value Management website is to educate and train on theory and practice of Earned Value Management, and use it as an integrated Project Management process.

Earned Value Management (EVM) is a systematic approach to the integration and measurement of cost, schedule, and technical (scope) accomplishments on a project or task. It provides both the government and contractors the ability to examine detailed schedule information, critical program and technical milestones, and cost data.