

The Use of Professional Credentialing in Helping to Establish a Cost Estimating Capability



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Outline



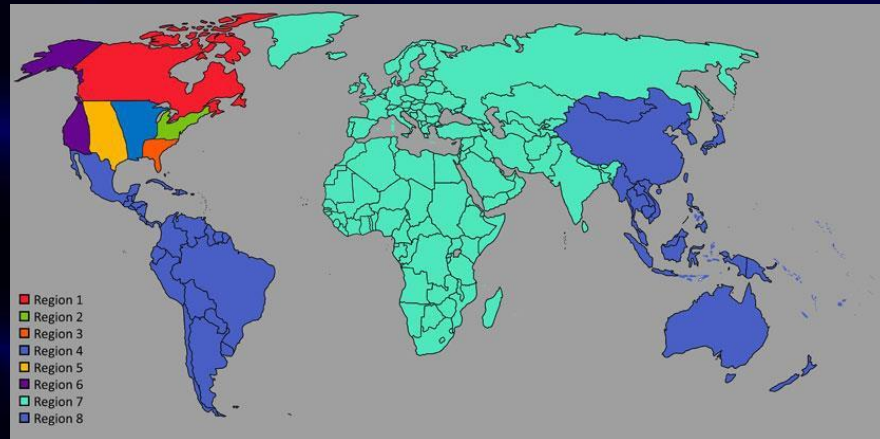
- Introduction
 - Speakers
 - AACCE International
- Professional Credentials/Certification
 - Definition and attributes
 - Certification vs. licensure
 - General types of certifications
 - AACCE Certifications and their Requirements
- Certified Member Testimonials
- Conclusion

Introduction

- Speakers
 - Ron Grant
 - Mike Etem
 - Charlene Thompson
 - Oswaldo Llerena

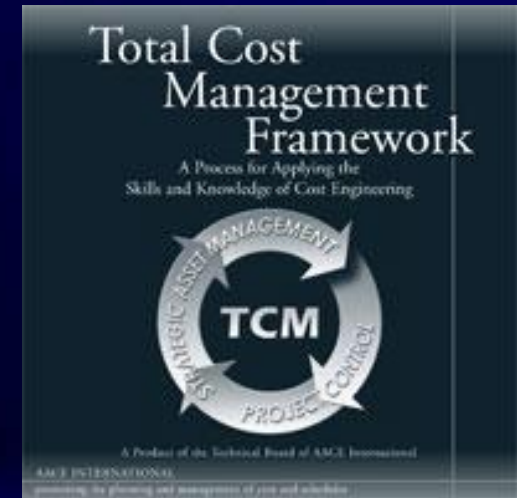
Introduction

- AACE International (Association for the Advancement of Cost Engineering)
 - Founded in 1956, currently largest global organization dedicated to furthering concepts of total cost management and cost engineering
 - 8 regions
 - 91 sections
 - 7,708 members



AACE International

- Cost Engineering defined as the collective set of practice areas that includes the following:
 - Business and program planning
 - **Cost estimating**
 - Economic and financial analysis
 - Cost control
 - Program and project management
 - Planning and scheduling
 - Cost and schedule performance measurement
 - Change control
- Total Cost Management (TCM) is the "process" through which these practices are applied



Professional Credentials/Certification

- Definition

- A designation earned by a person to assure qualification to perform a job or task

- Attributes

- Most are created, sponsored, or affiliated with professional associations, trade organizations, or IT vendors interested in raising standards
- In general, must be renewed periodically, or may be valid for specific period of time
 - As part of renewal process, common for individual to show evidence of continued learning (PDUs, CEUs, etc.)

Certification vs. Licensure



- **Licensure** is when demonstration of ability or knowledge is required *by law* before being allowed to perform a task/job
 - In U.S., professional licenses are usually issued by state agencies (e.g. professional engineer)
- Certifications are usually earned from a professional society or educational institute, not the government
 - For some organizations, certification assessment process is very similar or even same as licensure
 - May differ only in terms of legal status
 - Independent “accreditation” often times sought to strengthen validity of process
 - American National Standards Institute (ANSI)
 - Council of Engineering & Scientific Specialty Boards (CESB)

General Types of Certifications



- Internal certifications
 - Developed by a company/corporation for internal purposes
 - Limited “portability” to other companies/corporations
 - Examples:
 - Corporate
 - CAM certification for specific projects/contracts with EVMS
 - Parsons Project Controls Management certification program
 - Government
 - DoD’s DAWIA certification for acquisition professionals
 - Tri-Service Cost Engineering Certification Program
 - **DOE’s PMCDP for FPD certification**

General Types of Certifications (cont'd)

- Product-specific certifications
 - More involved, since they are intended to be referenced to a product across all applications
 - Portable across locations, but not across other products
 - Very prevalent in information technology (IT) industry, where personnel are certified on a version of software or hardware

General Types of Certifications (cont'd)



- Profession-wide

- Most “general” type of certification

- Intended to be portable to all places a certified professional might work
 - This generalization increases the cost of such a program, since the process to establish legally defensible assessment of an entire profession is very extensive

- 3 types prevalent in **project/cost management profession**

- Knowledge-based
 - Experience-based
 - Competency-based

} In U.S. most are a combination of these two

Top 10 Reasons to Earn AACE Certification



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AACE Certification.....Grants your professional credentials by providing an impartial endorsement of your knowledge and expertise.

...Shows your professional commitment and ability to perform to your peers, supervisors, and clients.

...Results in greater recognition from peers for taking that extra step in your professional development.

...Enhances your professional image by developing certified professionals who stand out as examples of excellence.

...Reflects your personal achievement of proving excellence in your field and meeting industry standards and requirements.

Top 10 Reasons to Earn AACE Certification



...**Can improve career opportunities** by giving you the “edge” when being considered for a promotion or other opportunities.

...**May provide for greater earnings potential** through salary and wage increases based on your certification status.

...**Improves your skills and knowledge** through training, study, and “keeping up” with the industry via the recertification requirements.

...**Prepares you for greater on-the-job responsibilities** by proving that you have invested in your own professional development.

...**Enriches self-esteem** by allowing you to distinguish yourself beyond your job title or academic degree.

Levels Of Certification



Technical and Professional

The initial difference between the two are the minimum experience, education, or a combination of both, required in order to be eligible to take the examination.

Certified Cost Tech (CCT)



A CCT is an individual who has demonstrated proficiency in the basic skills and knowledge of total cost management. Generally, those seeking CCT certification represent early-career, young professionals who have not yet achieved the requisite years of experience needed to become certified as a Certified Cost Professional (CCP), or experienced mid- to late-career professionals who are working to advance their cost engineering skills.

Eligibility Criteria

- 4 years industry related experience or
- 4-year industry related college degree

Paper Requirement

No paper requirement

Fees

Member fee: US\$250; Non-Member fee: US\$375; Resit fee: US\$175

Certified Scheduling Tech (CST)

The logo for AACE International, featuring the text "aace" in a stylized font above the word "International" in a smaller font, all enclosed within a white oval shape with a black border.

A CST is an individual who has demonstrated **proficiency** in the **general skills and knowledge** of the scheduling process within the AACE International Total Cost Management (TCM) framework. Generally, CST represents **early-career professionals** who are working to gain the requisite years of experience, to become a certified Planning & Scheduling Professional (PSP) or more experienced **mid- to late-career professionals** who wish to be recognized for their planning and scheduling skills

Eligibility Criteria

- 4 years industry related experience or
- 4-year industry related college degree

Paper Requirement

- No paper requirement

Fees

- Member fee: US\$250; Non-Member fee: US\$375; Resit fee: US\$175

Certified Estimating Prof (CEP)

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A CEP is a **professional with vital expertise** to contribute to the **economic evaluation** of potential projects by supporting the development of budgets, project resource requirements and value engineering.

Eligibility Criteria

8 years industry related experience or

4 years industry related experience + 4-year industry related college degree

Paper Requirement

No paper requirement

Fees

Member fee: US\$500; Non-Member fee: US\$625; Resit fee: US\$250

Certified Forensic Claims Consultant (CFCC)



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A CFCC is an **experienced claims professional** and **testifying expert** working in the construction dispute resolution and litigation support arenas.

Eligibility Criteria

12 years claims relevant experience in preparation and submission of claims, and dispute resolution + a 4-year college degree + 4 letters of recommendation* from industry professionals that verify years of experience + plus an approved and current certification after education which must be one of the following:

AAACE's CCP; CEP; EVP; PSP; DRMP; Certified Construction Manager (CCM); Certified Professional Constructor (CPC); Professional engineer (PE); Registered Architect (RA); Chartered Surveyor, or Admitted to Practice Law.

Applicant may substitute an additional 12 years of verifiable claims relevant experience in lieu of an approved certification after education.

Certified Forensic Claims Consultant (CFCC)

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*References - Four (4) letters of recommendation from industry professionals (attorneys, in-house legal counsel, and/or clients, past or present) familiar with the candidate's claims related experience and who can attest to the applicant's years of claims-relevant experience. Paper Requirement

Written report or professional paper

- expert report submitted as evidence
- a formal claim submittal
- a professional paper accepted for publication
- any of which must have been written within the 24 months prior to applying to sit for the examination.

Certified Forensic Claims Consultant (CFCC)



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Fees—Candidate is responsible for, and at risk for, loss of fees if eligibility criteria is not satisfied as determined by AACE International Certification Program.

1st time Candidate Non-Refundable Application Fee:

Member—US\$200.00, **Non-Member fee**—US\$250.00

1st time Candidate Examination Fee (required after application eligibility is approved):

Member—US\$400.00, **Non-Member**—US\$450.00

Resit Fee: **Member & Non-Member**—US\$250.00

Regular (not a 1st time candidate) Examination & Recertification by Examination:

Member—US\$600.00, **Non-Member**— US\$700.00

Recertification by PSP fee: **Member**—US\$235.00, **Non-Member**—US\$325.00

Decision & Risk Mgmt Prof (DRMP)



A DRMP is a **senior-level practitioner** with business experience in life cycle asset and project management with exhibited knowledge and skills ranging from **analytical** to **socio/psychological** to **management**

Eligibility Criteria

- 4-year degree from college or university

- A 4-year of college degree may be substituted by additional 4-years of industry related experience or one of the following professional certifications: AACE's CCP; CEP; EVP; PSP; Certified Construction Manager (CCM); Certified Professional Constructor (CPC); Professional engineer (PE); Registered Architect (RA); or Chartered Surveyor.

- 8-years total of industry related experience, in the following format:

- 4-years of general industry related experience

- 4-years of experience directly related to field of decision & risk management,

which may include a combination of:

- Three (3) letters of recommendation from clients (past or present).

- Three (3) work products personally produced by the candidate

Decision & Risk Mgmt Prof (DRMP)



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Fees—Candidate is responsible for, and at risk for, loss of fees if eligibility criteria is not satisfied as determined by AACSE International Certification Program.

1st time Candidate Non-Refundable Application Fee:

Member—US\$200.00, **Non-Member fee**—US\$250.00

1st time Candidate Examination Fee (required after application eligibility is approved):

Member—US\$400.00, **Non-Member**—US\$450.00

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Introduction



Charlene Thompson, PE, PMP, EVP, PSP

BSCE from Purdue University

MSPM from Colorado Technical University

24 years of experience in Project Management and Project Controls

Earned Value Prof (EVP)



An EVP is a practitioner of Earned Value with demonstrated mastery of contract language as it relates to Earned Value application, the organization of a project's scope into meaningful structure for execution; planning scheduling and budgeting the project work from initiation through close out. The experienced EVP will have broad experiences in the interpretation of the EV data/metrics and possess the skills to provide coherent, relevant communications (oral and written) to all levels of project stakeholders (internal and external).

Eligibility Criteria

8 years industry related experience or

4 years industry related experience + 4-year industry related college degree

Paper Requirement

No paper required

Fees

Member fee: US\$500; Non-Member fee: US\$625; Resit fee: US\$250

Introduction



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Oswaldo Llerena, EIT, CCP, PMI-SP, PSP, PMP, EVP

MsC from the University of Kansas

12 years of experience in Project Controls

Miscellaneous



Personal goals – Commitment (short/long term)

Multiple certs (one step at a time)

Benefits (peers, RFPs, etc.)

Preparation (planning)

Computer base (multiple choice, memorandum, exam results, re-certification)

Planning & Scheduling Prof (PSP)



A PSP is a skilled planning and scheduling professional with **advanced experience in project planning, and developing, monitoring, updating, forecasting and analyzing integrated project schedules.**

Eligibility Criteria

8 years industry related experience or

4 years industry related experience + 4-year industry related college degree

Paper Requirement

No paper required

Fees

Member fee: US\$500; Non-Member fee: US\$625; Resit fee: US\$250

Certified Cost Professional (CCP)



A CCP is an experienced practitioner with advanced knowledge and technical expertise to apply the broad principles and best practices of Total Cost Management (TCM).

Eligibility Criteria

8 years industry related experience or

4 years industry related experience + 4-year industry related college degree

Paper Requirement

2,500 minimum word technical paper

Fees

Member fee: US\$500; Non-Member fee: US\$625; Resit fee: US\$250

Chapter Certified Members



Ozward Llerena CCP EVP PSP

Charlene Thompson EVP PSP

Conclusion



Certification can enrich, prepare and advance you in your career.

There is at least one certification that would apply to your current or future career plans. I would encourage everyone to study and sit for a certification exam.

The Kansas City chapter is planning to conduct a certification workshop at least once a year with a focus on one of the AACSE certifications.

This year's will be ???

Additional Information

- AACCE KC Section: www.aacekc.org
- AACCE International: www.aacei.org