DAPE NEWS

News **from Delaware's Licensing Council for Professional Engineers Winter 2013**

PRESIDENT'S MESSAGE

By Charles L. McAllister, P.E.

We have entered a New Year with all its challenges, surprises and opportunities. Are you prepared for the unknown opportunities which life brings your way? We can be challenged by a new project which stretches your abilities or introduces us to new concepts beyond belief.

Well, recently I was introduced to a new challenge which was very rewarding to me and I hope to the individuals who presented the opportunity. A request came to DAPE for someone to speak to a local Boy Scout Troop who were working on an Engineering Merit Badge.

One of the main questions on their list was, "what engineering disciplines need to be registered in the State of Delaware?" "All disciplines", was my response. Granted, these boys were 12 to 14 year olds, with not much understanding of the licensure process, but I think they were surprised that everyone calling themselves an Engineer needs to be licensed.

I had the opportunity to compare the Scout Oath to the Engineer's Code of Ethics, which has many similarities. The Scout Oath consists of terms like trustworthy, loyal, and helpful. Do these words have meaning to the engineer? Of course they do! Think about our Code of Ethics.

Trustworthy…. "The engineer shall perform services only in areas of his competence. The engineer shall undertake to perform engineering only when qualified by education or experience in the areas of professional engineering involved."

Loyal…. "The engineer shall act in professional matters for each employer or client as faithful agent or trustee, avoiding conflicts of interest."

Helpful… "The engineer shall hold paramount safeguarding life, health and property and promoting the public welfare in the performance of his professional duties."

The time I spent with these young men showed me the integrity and drive that exists in the next generation. Hopefully some or all of these students will pursue a career in one of the fields of engineering after learning more about the profession of engineering.

I would strongly encourage each of you to reach out to those young people around you and take time to listen to their questions and encourage them to learn as much as they can about our profession.

Engineering Merit Badge

Continuing Professional Competency (CPC) Coming to Delaware!

By William D. Balascio, P.E.

If you are at all like me, CPC has become an important topic in your career. I am licensed in Delaware, New Jersey, Maryland, Pennsylvania, North Carolina and Puerto Rico. Every one of those states other than Delaware has mandatory requirements for CPC. Delaware will be joining the "club" and changing our voluntary requirements into mandatory requirements – possibly as soon as the next renewal period. We have included a copy of our draft CPC guidelines in this newsletter. Please read them and send us your comments and concerns.

Before you dive into that bit of fascinating reading, let me give you some background on the discussions regarding CPC in Delaware and tell you how our draft guidelines differ from the usual.

DAPE has literally debated the merits of CPC for years. At the risk of oversimplification, that debate has centered on some compelling arguments against and some pragmatic arguments for CPC. Given that the main goal of our organization is the safeguarding of the public, continuing education that assures that our members know current standards and computational techniques and are periodically immersed in ethics training seems to be desirable – so what has been the debate?

Arguments against: CPC is unquestionably costly – courses and seminars require direct costs as well as time. CPC has questionable effectiveness – there are no studies proving that it actually improves the quality of engineering or the safety and welfare of the public. DAPE has tried to address these concerns, and that effort explains some of how our guidelines are different from those of other states (more to follow).

Arguments for: The arguments for CPC, at least for multiple state licensees such as myself, are that other states will accept your home state's requirements and record keeping will be easier.

Given this ongoing debate, DAPE commissioned focus groups in Wilmington and Dover and found the following issues that could reasonably be addressed by CPC:

- A lack of knowledge or understanding of the applicable codes.
- Ethical conflicts related to indiscriminate or erroneous applications of an engineer's seal.
- Role of the engineer supervisor in ensuring consistent high quality design product.

The two focus groups were strongly in favor of CPC requirements.

After years of debate and study, DAPE made the decision to implement mandatory CPC requirements. The CPC committee was tasked with developing guidelines for the implementation of those requirements, but we have "tweaked" the usual offerings in an effort to address some of the issues mentioned above. Those differences are:

- **Cost** – in an effort to lower the cost of CPC, we have included two methods of renewal: the traditional Professional Development Hour (PDH)-based and project experience-based. The first method is recommended for multi-state licensees and the second method is appropriate for those licensed only in Delaware (see sections D & E).
- **Recordkeeping** – we are encouraging the use and submission of records stored or packaged in ePortfolios. This is not mandatory, but ePortfolios can be a good professional tool for the engineer and the engineering firm (see section F and check out the free tools available from Google).
- **Credit for Teaching** – most states provide double credit for teaching a course or seminar, but only for the first time that it is given. The DAPE draft guidelines provide double credit for the first time and single credit for subsequent presentations when major revisions are involved. This acknowledges the effort involved in keeping a course current and provides a small additional incentive to do so.

As part of the open comment period for the draft guidelines, I would like to invite your feedback on any section of the guidelines. The following issues have been identified as needing clarification. Please submit your comments on these and any other issue to office@dape.org.

- The NCEES model law requires 15 PDH per year, most surrounding states require 12 PDH, Method 1 of the draft guidelines now show 15 PDH/year or 30 PDH per renewal period – should we stay at 15 or move to 12?

- There is a 2 PDH/year maximum for participation in a technical or professional society committee or board – should this limit be raised?

Why Do So Few DAPE Members Vote for Vacating Council Seats?

By Robert A. Chagnon, P.E.

By Robert A. Chagnon, P.E.

Annually, DAPE holds its election for filling vacating Council seats. In 2012 **four seats** were up for grabs, which included the Civil Engineering seat, the Sussex County seat, the Mechanical Engineering seat and the Education seat. The Education seat and Mechanical Engineering seat candidates had no opponents, but two candidates were vowing for both the Civil Engineering seat and the Sussex County seat. With some competition involved, there was no reason not to vote due to a lack of candidate options. **Despite all, slightly less than 27% of our eligible voters bothered to vote.** What concerns this writer even more is that the 27% response figure is about average for these DAPE elections and the figure even dips lower when all of the candidates involved are non-opposed, which happens occasionally.

Unfortunately, we have nothing to compare this response percentage to since Delaware is the only state or territory with an engineering licensing board that's self-regulated. The engineering licensing board members for all others are appointed.

At a national level, DAPE's average response runs about half of what the U.S. experiences for a presidential election, which has held quite steady since the end of the great depression, except for a slight rise in the low 60% range during the Eisenhower presidency years. It was once, and had been for several years prior, up in the mid 70's and low 80% range up till about the turn of the 20th century when it dropped down to a mid-60% range up till the passing of the 19th Amendment, where women were granted the right to vote.

Each DAPE Council seat election generally provides its membership an opportunity to voice their opinion on the make-up of 25% of the 12 Council members that come under their control. The remaining 3 members are appointed by the Governor of the State of Delaware. By the way, 2 of those 3 aforementioned public members are currently attorneys, which when combined with the AG's appointed attorney for DAPE, provides for 3 attorneys present for each Council meeting. What more reason should one have for participating in the selection of the remaining 12? That's one attorney for every 4 Council members.

What Can Be Done To Get More Members To Participate? Here are a few ideas this writer has solicited from other interested parties:

1. DAPE needs to emphasize the value and privilege that its membership has in being able to have a part in selecting its board members, which is unique to only the State of Delaware.

2. The DAPE Executive Committee should strive to obtain at least two candidates for every Council seat being vacated, even if that seat is currently being filled by an incumbent.

3. Allow more space on the candidate's "Biographical Sketch" form under "Technical or Professional Society Membership" that would allow one to further state what role they play or have played as members of such groups.

4. **Most Important:** include a recent photograph of each candidate so that voters can better associate a face with a name.

Note: The 2013 Council Election will be seeking nominees for the Chemical Engineering, "Other" Engineering and Government Employment seats.

KUDOS … TO THESE DAPE MEMBERS!

New President of the American Academy of Environmental Engineers and Scientists

Pasquale "Pat" Canzano, a former DAPE Council member and current member of the Finance Committee, has recently been appointed as President of the American Academy of Environmental Engineers and Scientists (AAEES). Pat has been a board certified environmental engineer since 1990 in the specialty of solid waste management.

When he's not working on DAPE or the AAEES business, Pat serves as the Chief Executive Officer of the Delaware Solid Waste Authority.

Congratulations, Pat!

2013 Engineer of the Year

Gregory V. Moore, P.E., a former Council member and President of DAPE, will be recognized as the Engineer of the Year at this year's recognition banquet.

Licensed as a Professional Engineer for more than 20 years, Gregg's tenure on Council included serving and/or chairing many committees. He routinely participates in licensure presentations to young engineers, mentoring and promoting the profession. Active in the greater and downtown Dover area, Gregg serves on numerous committees, foundations and local activities, including the revitalization of downtown Dover. Appointed by the Governor, he currently serves as a Board of Director for the Delaware Solid Waste Authority.

Since 1993 Gregg has been a principal of the Dover office of Becker Morgan Group, an architectural, engineering, surveying, land planning and interior design service firm.

Gregg's devotion to his community and profession have not gone unnoticed. Congratulations to the 2013 Delaware Engineer of the Year, Gregg!

Professional Engineer, Representative, Senator, Majority Leader

In ***1976*** **David B. McBride** was issued his license for the practice of engineering in the State of Delaware. In ***1978*** he was elected to the House of Representatives; in ***1980*** he was elected to the Senate. In ***2013*** Senator McBride was elected by his colleagues as the Majority Leader.

Senator McBride, P.E., is the first Professional Engineer to achieve such distinction. He served in the House until being elected to the Senate and has served continuously in the Senate through the present, marking an unprecedented thirty-five (35) years of distinguished public service.

Senator McBride holds a Master's degree in Civil Engineering from the University of Delaware and was employed by DelDOT early in his career. He has worked a Professional Engineer in the consulting field and is currently employed by Duffield Associates.

2013 Distinguished Service Award

Each year the DAPE Council recognizes one of its committee members who has shown exemplary service to DAPE by their committee work.

This year's Distinguished Service Award recognized the tireless efforts of **Arkan Say, P.E.,** for his outstanding work as a member of the Law Enforcement/Ethics Committee. He has previously served on Council in the Civil Engineering seat in 1998; served as Chair of the Government Affairs Committee in 2000; and chaired the Ad-Hoc/Law Revision Committee in 2000 and 2001.

Arkan was honored by his peers at an award presentation at the Deerfield Conference Center on January 7, 2013.

Arkan shares his retirement with DAPE continuing his dedicated service to the Law Enforcement/Ethics Committee.

NEW PROFESSIONAL ENGINEERS

At its January meeting, Council approved licensure for the following successful October, 2012 examinees:

Amin, Jayesh	#15698
Amis, Drew	#17484
Benford, Hans	#17609
Bleiler, William	#17386
Blowers, Craig	#17874
Bower, Douglas	#17827
Brooks, Sean	#15627
Brown, Steven	#18150
Cimino, John	#17770
Crawford, Robert	#18111
Dempsey, Dennis	#18142
Dorotheo, Richard	#18160
Flanagan, Brennan	#17569
Giordano, Alfred	#18206
Grande, Victor	#18177
Harr, Stephen	#18185
Ishak, Gerges	#12500
Ishii, Kyoko	#17912
Jones, Samantha	#17734
Joslyn, Andrew	#17761
Kriczky, Justin	#17340
Lac, Truc	#15298
Levy, Jonathan	#18146
Lisiewski, Brian	#16636
Lyon, Jason	#18105
Madonna, Anthony	#17863
Maldini, Peter	#18155
Mann, Amy	#17979
McClafferty, Jason	#18251
Monahon, John	#18067
Murgatroyd, Derek	#17596
O'Donoghue, Ryan	#17534
Paik, Jeff	#18094
Parikh, Kunhal	#16967
Pegram, William	#18193
Pellegrino, Alex	#18189
Pendergrass, Scott	#18090
Pfluger, Andrew	#18085
Pizarro, Christopher	#17933
Poad, Kevin	#17972
Quigley, James	#18175
Rauso, Anthony	#17821
Reiner, Alexander	#17251
Riggio, Brett	#17854
Ruiperez Vara, Roberto	#17879
Savage, John	#17847
Schreppler, Nathan	#17861
Shah, Chirag	#17599
Shanley, Kevin	#18061
Smith, Jason	#17332
Stanley, Kyle	#17540
Stevens, Craig	#15250
Suchanoff, Gregory	#18068
Unger, Justin	#18045
Van Horn, Jeffrey	#17249
Ward, Nicholas	#18116
Zhou, Liang	#17951

Our sincerest congratulations to these new engineers. We welcome you as the newest DAPE members!

Looking for Proctors for April Exam ...

We are always looking for proctors for our exams and the April exam administration will be here soon. If you are available and willing to share a few hours for the engineering community, please contact our office. Let us know whether you prefer the **Friday, April 12, 2013 PE exam** or **the Saturday, April 13, 2013 FE** exam.

This is the perfect opportunity to network with other DAPE members and enjoy lunch on us! We have morning and afternoon shifts available. No experience necessary – will train! Contact us today!

We appreciate it!

NEW ENGINEER INTERNS

Abanda, Abanda
Abou Elnaga, Aly
Adcock, Zachary
Ammirati, Anthony
Angelini, Julie
Bai, Yun
Bauer, Sarah
Becht, Daniel
Benedetto, Robert
Bennett, Joshua
Bent, Christopher
Bibb, Caroline
Bitner, Andrew
Bookh, Patricia
Bowden, Robert
Brinckmann, Stephan
Britt, Stephen
Brown, Timothy
Bryden, Oksana
Burgess, Gregory
Butch, Jesse
Calhoun, Jonathan
Calimer, Charles
Calogero, Joseph
Campbell, Blake
Carchidi, Anthony
Casadei, Kevin
Case, Samuel
Cattabiani, Michael
Ciarlo, Vincent
Clark, Alexander
Clayton, Andrew
Cooper, Dennis
Corrigan, Patrick
Costa, Justin
Crespo, Kyle
Cressman, Scott
Cruz, Mariana
Dalton, Olivia
Daube, Christopher
Dave, Apurva
Derr, Taylor
DiChristofaro, Ryan
Dickert, Timothy
Douma, Kristian
Duda, Stephen
Durey, Benjamin
Durkin, James
Einbinder, Daniel
Ellenberg, Andrew
Engel, Christopher
Erony, Peter
Evans, Daniel
Fader, Joshua
Fernandez, Douglas
Fone, Thomas
Formisano, Benjamin
Fujimoto, Kailee
Gassner, Lucille
Gelinas, Taylor
Giannelli, Nicole
Gisonda, Kaitlyn
Glassman, Paige
Greco, Vincent
Gribb, Megan
Guertin, Amanda
Gushue, Charles
Hendricks, Javier
Hess, Nathan
Hill, Ryan
Hogsten, Steven
Horn, Gregory
Hostrander, Jake
Houwen, Daniel
Iocco, Christopher
Janssen, Leonard
Jarvis, Andrew
John, Bincy
Johnson, Kerry
Kahmann, Stephen
Kauffman, John
Kaufman, Jake
Kelderhouse, Joseph
Kelso, Logan
Kemper, Frank
Khadr, Asrah
Kirk, Justin
Klausman, Andrew
Klepacki, Matthew
Kmush, Anthony
Knabe, Amalie
Koeplinger, David
Kong, William
Kornreich, Matthew
Kotlyar, Taya
Krick, Alison
Krokoff, Scott
Lamac, Benjamin
Lavenburg, Gregory
LeGoff, Julien
Leidner, Steven
Leous, Janes
Lewis, Kelsey
Lewis, Ronald
Linde, Eric
Ling, Man Kwong
Lis, Meredith
Liu, Xiaoyue
LoCicero, Brian
Lubin, Samuel
Ma, Wing Ho
Macdonald, Kirstie
Macedo, Eric
MacLane, Andrew
MacPherson, Stephen
Mann, Jonathan
Martin, Matthew
Martin, Samuel
Matczak, Jennifer
Mathisen, Craig
McGurk, James
McNally, William
Mendenhall, Jess
Miller, Casey
Milner, Micah
Mongiardo, David
Morabito, Matthew
Morrissey, Ryan
Mowers, Ryan
Murgatroyd, Derek
Naughton, Sean
Neff, Jason
Nelson, Caleb
Niblo, Erin
Noel, Amanda
Notigan, Lindsey
Pappalard, Nicole
Parenty, Nicholas
Patel, Niravkumar
Patel, Ritesh
Patterson, Matthew
Payne, Michael
Peebles, Gemma
Petro, Thomas
Pollock, Jason
Poole, James
Pounds, Kody
Powers, Michael
Prate, Devin
Rabe, Eric
Reichhold, Austen
Rennie, Lindsay
Reuther, Daniel
Rex, Robert
Robinson, David
Ruiz, Paul
Ryder, Alexandra
Sabedra, Johndavid
Sager, Katherine
Salamanca, Lorraine
Sarrett, David
Saunders, Shawn
Schiffelbein, Randall
Schneider, Mark
Schukoski, Ethan
Schweiger, Phillip
Scrutchfield, Daniel
Seigel, Christopher
Semenick, Stephen
Shah, Miken
Shogan, Janty
Simon, David
Sinnott, Matthew
Smagala, Kate
Sobieski, Brian
Sparacio, Jonathan
Sparks, Brian
Sternbach, Jonathan
Strickland, Mark
Sutter, Mary Kather.
Taylor, Jacob
Thornburg, Eric
Tovinsky, Matthew
Tripop, Tyle
Tsao, Jenny
Valentin, Natacha
Vasta, Nicholas
Waring, Derek
Wells, Nicole
Wennick, Taylor
Weslow, Claire
White, Stephen
White, Michael
Wickstrom, Evan
Williams, Daniel
Williamson, Timothy
Wolcott, Richard
Wong, Winter
Wright, Taylor
Wroten, Scott
Yang, Wenjing
Yousuf, Erum
Yurick, Colin
Zambeno, Thomas
Zboray, Steven
Zebley, Charles
Zoccolo, Vincent

CONGRATULATIONS!!

DATES TO REMEMBER:

Feb. 17-23:	Engineers' Week
April 12:	PE exam administration
April 13:	FE exam administration
June 1:	PE application deadline for October, 2013 exam
June 30:	Firm Certificates of Authorization expire.

The DAPE website (www.dape.org) is available at your convenience to update contact information, check the PE and C/A rosters, etc.

Council Executive Committee

Charles L. McAllister, P.E.
President
Hans M. Medlarz, P.E.
Vice President
Daniel P. Barbato, P.E
Secretary
Keith R. Kooker, P.E.
Treasurer
Frank A. Newton
Immediate Past President

Council Members

Vincent Robertson, Esq.—Sussex Co.—Apptd.	8/31/12
Daniel P. Barbato, P.E., "Other" Eng.	8/31/13
David G. Clark, P.E., Chemical Engineering	8/31/13
Hans M. Medlarz, P.E., Government Employment	8/31/13
Frank A. Newton -- Kent Co. -- Apptd.	4/06/13
John E. Tracey, Esq. -- New Castle Co. -- Apptd.	8/31/13
Meghan Lester, P.E., New Castle County	8/31/14
Charles L. McAllister, P.E., Industry	8/31/14
Theodore A. Thomson, P.E., Civil Engineering	8/31/14
William D. Balascio, P.E., Electrical Engineering	8/31/15
Keith R. Kooker, P.E., Private Consulting	8/31/15
Soheil Gharebaghi, P.E., Kent County	8/31/15
Carmine C. Balascio, P.E., Education	8/31/16
Robert E. Hayden, P.E., Mechanical Engineering	8/31/16
Mark S. Mallamo, P.E., Sussex County	8/31/16

Council Staff:

Peggy Abshagen
Executive Director

Suzanne Shimomura
Executive Assistant

Mary Savona
Administrative Coordinator

Council Office:

92 Read's Way, Suite 208, New Castle, DE 19720
(302) 323-4588 (302) 323-4590 – FAX

e-mail: office@dape.org

website: www.dape.org

STATE OF DELAWARE

DELAWARE ASSOCIATION OF PROFESSIONAL ENGINEERS
92 Read's Way, Suite 208, New Castle, DE 19720
PHONE: 302-323-4588
FAX: 302-323-4590
E-mail: office@dape.org

GUIDELINES FOR MAINTAINING CONTINUING PROFESSIONAL COMPETENCY (CPC)

(Approved by Council of Delaware Association of Professional Engineers, #####, ##, 2013)

PREAMBLE

In order to safeguard life, health and property, and to promote the public welfare, through a high standard of integrity, skills, and practice in the profession of engineering, the following Guidelines for Maintaining Continuing Professional Competence (CPC) are promulgated by the Council of the Delaware Association of Professional Engineers in accordance with the Delaware Professional Engineers' Act, Title 24, Chapter 28 of the Delaware Code. These CPC Guidelines shall be binding on every person holding a certificate of registration as a Professional Engineer in the State of Delaware.

Regular exposure to active technical practice, participation in technical, professional and ethical training, and participation in professional and technical societies assures that professional engineers are exposed to new ideas and keep their skills current. The requirement that all practicing professional engineers must participate in such activities is meant to further safeguard the health, safety and welfare of the public from outdated or ineffective engineering knowledge caused by infrequent practice.

A. Exemptions – with the following exceptions, all persons licensed under the Delaware Professional Engineers' Act must maintain their professional competency in the practice of engineering through one of the methods outlined in this document:

1. New licensees by way of examination or comity shall be exempt for their first renewal period.
2. A licensee serving on temporary active duty in the armed forces of the United States for a period of time exceeding 120 consecutive days in a year shall be exempt from the requirements during that renewal period.
3. Licensees experiencing physical disability, illness, or other extenuating circumstances may apply for an exemption or an extension of time to obtain the credits, subject to the review and approval of the Council. Supporting documentation must be furnished to the Council.
4. Licensees who list their occupation as "Retired" or "Inactive" on the Council-approved renewal form and who further certify that they are no longer receiving any remuneration from providing professional engineering services shall be exempt from the requirements. In the event such an individual elects to return to active practice of professional engineering, PDHs must be earned before returning to active practice for each year exempted, not to exceed the annual requirement for 2 years.

B. Reinstatement - a licensee may bring an inactive license to active status by completing all delinquent CPC requirements as outlined in this document. However, this shall not exceed the requirements for the normal two year renewal period.

C. Requirements for Renewal - to renew a license, an applicant must meet the requirements stated herein. The applicant must supply sufficient detail in the recordkeeping medium described below to permit audit verification and detail any backup documentation. The initial period for meeting the requirements described herein will be the first full renewal period following enactment of the associated revision of the law unless one is a first time registrant (see subsection A.1).

D. Method 1 – Attainment of Professional Development Hours (PDHs): this method is recommended for engineers licensed in multiple jurisdictions. It closely follows the NCEES model for CPC requirements and should facilitate the recognition of the licensee's CPC efforts by other jurisdictions.

1. Definitions - terms used in this section are defined as follows:
   a. Professional Development Hour (PDH)—A contact hour (nominal) of instruction or presentation. The PDH is the common denominator for other units of credit.
   b. Continuing Education Unit (CEU)—Unit of credit customarily used for continuing education courses. One continuing education unit equals 1 hour of class in an approved continuing education course; which equals 10 PDHs.
   c. College/Unit Semester/Quarter Hour—Credit for course in ABET-approved programs or other related college course approved in accordance with subsection E of this section.
   d. Qualified Course/Activity—Any course, seminar or activity with a clear purpose and objective that will maintain, improve, or expand the skills and knowledge relevant to the licensee's field of practice. Regular duties are not considered qualified activities.
   e. Dual Licensee—A person who is licensed as both a professional engineer and a professional surveyor.
2. Requirements - every licensee is required to obtain the equivalent of 15 PDHs per year (or 30 PDHs obtained anytime during the renewal period.)

   Of the 30 PDHs earned during the biennial renewal period: no less than 3 PDH and no more than 6 PDH shall be related to professional ethics, and no more than 9 PDH shall be related to business or project management. The balance shall be related to the licensee's area of technical practice. For dual licensees in both engineering and surveying, up to 15 PDHs may be related to the technical practice of surveying.

   If a licensee exceeds the annual requirement in any renewal period, a maximum of 15 PDHs may be carried forward into the subsequent renewal period. Credits earned during the 12 months prior to enactment of the associated revision to the law may be applied under this provision.

   PDHs may be earned as follows:
   a. Successful completion of qualified college courses
   b. Successful completion of qualified continuing education courses
   c. Successful completion of qualified short courses/tutorials and distance-education courses offered through correspondence, television, videotapes, or the Internet
   d. Attending qualifying seminars, in-house courses, workshops, or professional or technical presentations made at meetings, conventions, or conferences
   e. Presenting, teaching or instructing in a through d above
   f. Authoring published papers, articles, books, or accepted licensing examination items
   g. Active participation in professional or technical societies
   h. Receipt of Patents
   i. Active participation in educational outreach activities pertaining to professional licensure or the surveying/engineering professions which involve K–12 or higher education students

3. Units - the conversion of other units of credit to PDHs is as follows:
   a. 1 college or unit semester hour ..... 45 PDHs
   b. 1 college or unit quarter hour ..... 30 PDHs
   c. 1 continuing education unit ..... 10 PDHs
   d. 1 hour of professional development in coursework, seminars, or professional or technical presentations made at meetings, conventions, or conferences ..... 1 PDH
   e. For teaching in a through d above, apply multiple of 2. Teaching credit is valid for the first offering or presentation or subsequent substantial revisions made to maintain the relevance and currency of the offering (qualifying subsequent offerings apply a multiple of 1). Full-time faculty may not claim teaching credit associated with regular duties.
   f. Publications
      - Each published peer-reviewed paper or book in the licensee's area of professional practice ..... 10 PDHs
      - Each published paper or article in the licensee's area of professional practice ..... 5 PDHs
   g. Active participation in professional and technical society (each organization/year) ..... 2 PDHs
   h. Each patent received ..... 10 PDHs
   i. 1 hour of outreach activities (as described in 2i above)..... 1 PDH (not to exceed 3 PDHs)
4. Determination of Credit - the Council has final authority with respect to approval of courses, credit, PDH value for courses, and other methods of earning credit.
   a. Credit for college or community college approved courses will be based upon course credit established by the college.
   b. Credit for qualifying seminars and workshops will be based on 1 PDH for each hour of attendance.
   c. Attendance at qualifying programs presented at professional and/or technical society meetings will earn PDHs for the actual time of each program.
   d. Credit determination for activities in subsections 3.f and 3.h is the responsibility of the licensee (subject to review as required by the Council).
   e. Credit for activity in subsection 3.g, active participation in professional and technical society (limited to 2 PDHs per organization per year), requires that a licensee serve as an officer and/or actively participate in a committee of the organization. PDHs are not earned until the end of each year of service is completed.

E. Method 2 – Regular Exposure to Technical Practice: this method may be utilized by engineers licensed only in the State of Delaware. It does not follow the NCEES model for CPC requirements and may prevent the recognition of the licensee's CPC efforts by other jurisdictions.

In addition to the minimum Ethics requirements stated in Method 1, licensees selecting this method shall provide a detailed record of all project activities performed during the biennial renewal period. The listed activities should indicate regular and continual technical practice of engineering work and competency in current codes (local or national) and computational methods applicable to their discipline. Furthermore, this record should demonstrate an increasing level of professional responsibility or technical complexity (progressive engineering experience). Project descriptions shall include the information listed in subsection F below enclosed in square brackets [ ].

F. Recordkeeping - the licensee is responsible for maintaining records to be used to support credits [project work] claimed. Records required include, but are not limited to;

1. A log showing the type of activity claimed, sponsoring organization [project owner with project name as appearing on design documents], location, duration [start and completion dates], instructor's or speaker's name [client's name or company], and PDHs earned.
2. Attendance verification records in the form of completion certificates or other documents supporting evidence of attendance [list of project documents].
3. Summary description of courses taught & updated, publications and patents, professional and technical society and outreach activities shall be provided in sufficient detail to allow evaluation by the Council for the PDHs claimed.
4. If Method 2 is selected, regular and continual project work must be described in sufficient detail to allow evaluation by the Council.

Licensees shall retain their CPC records for a minimum of four years.

Council, or through appointed Committee, will conduct a random biennial audit which may require up to 5% of the registrants involved to produce evidence of their CPC activities. In addition, such documentation may be required if a complaint is lodged against a registrant. If the records of any audited licensee indicate a deficiency in CPC activities, that licensee will be subject to the actions described in paragraph G below and may be subject to more frequent audits than the random audits.

Records may be stored in electronic format and held in the sole possession of the licensee such that they may be forwarded to DAPE upon request.

Alternatively, records may be kept in an ePortfolio with accessibility controlled by the licensee. Upon request the licensee shall provide access to their ePortfolio.

DAPE encourages the use of ePortfolios, as they can be of benefit to the licensee, serving as an on-line professional resume and a general support for and demonstration of lifelong learning.

G. Noncompliance – individuals not in compliance will be placed on probationary status, and they will be notified that all deficiencies must be corrected within 30 days. If the individual does not provide proof of compliance within that time period, the following will occur:

1. First Offenders – penalties may include additional educational requirements, fines and suspension of license.
2. Repeat offenders - penalties may include the above penalties as well as revocation of license..

Council or licensee may request a hearing committee meeting for all penalties beyond increased educational requirements. Hearing committee shall meet within 60 days of an appeal and all penalties will be stayed until decision by the hearing committee is rendered and approved by Council.

(10January2013-Rev)