MINUTES

I. Call to order – President Harvey D. Hnatiuk, P.E., F.NSPE
   President Hnatiuk called the meeting to order at 11:33 PM.

II. Roll call of the 2006-2007 Board of Directors – Secretary Joseph F. Boward, P.E.
   A. The attached roll call sheet indicates attendance; a quorum was in attendance.

   B. Also Present:
      PSPE Executive Director – John D. Wanner, CAE
      PSPE Deputy Executive Director – Jennifer Summers
      NSPE Vice President, Northeast Region – Barry E. Isett, PE, F.NSPE (Lehigh Valley Chapter)
      NSPE Executive Director – Albert C. Gray, PhD, PE, F.NSPE

III. Organizational Items
   A. Regional Vice Presidents Order of Precedence (Per Bylaw 7: Section 7) – Provides order of succession
      in office, wherein seniority in office is followed by seniority in membership. The current order of succession
      was indicated to be:
      a. John Bradshaw, P.E., P.L.S.
      b. Walter J. Poplawski, P.E.
      c. David L. McCullough, P.E.
      d. Frank J. Stanton, Jr., P.E.
      e. Michel J. Sadaka, P.E.

   B. Appointment of Committee Chairs – The Awards Committee Chair must be filled. Further discussion
      ensued regarding this item.

   C. Appointment of Special Committees – President Hnatiuk indicated that existing special committee chairs
      would be contacted regarding their plans.

   D. Outline of Duties and Procedures
      a. Vice President Responsibilities – Included in the Meetings Booklet provided for the Conference; also
         attached herein. Duties are well defined.
      b. State Directors Responsibilities – Also included in Meetings Booklet and attached herein.
      c. Procedure for presenting new business to the Board of Directors – Also included in Meetings Booklet and
         attached herein.
      d. Official PSPE expense account form – Mileage and tolls for official PSPE business are only covered
         Attached herein.

IV. Approval of Signature Changes on Bank Accounts – the Treasurer, Executive Director, President and
    Secretary are authorized to be any of the two signers required on all PSPE bank transactions – Board must
authorize who can sign PSPE checks. Discussion ensued regarding how the Bylaws read as related to this item. Immediate Past President Garman moved that the PSPE Treasurer, Executive Director, President and Secretary be authorized to sign PSPE checks. Motion seconded by President Elect Bernstein. Motion passed.

V. Immediate Past President Garman recommended that Board authorize the 2007 and 2008 PSPE Engineers Conferences for Planning purposes – Discussion ensued regarding this matter. Immediate Past President Garman moved that the PSPE Engineers Conference for 2007 be held at a site and date to be determined. Seconded by President Elect Bernstein. Motion carried. President Elect Bernstein moved that the PSPE Engineers Conference for 2008 be held at a site and date to be determined. Seconded by Philadelphia Chapter Director Woods. Motion carried.

VI. Next Meeting: September 22-23, 2006, at Altoona, PA.

VII. Adjournment – President Hnatiuk adjourned the meeting at 11:55 AM.

Respectfully submitted,

Joseph F. Boward, P.E.
PSPE Secretary
<table>
<thead>
<tr>
<th>PRINTED NAME</th>
<th>PSPE CHAPTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. James Cominis</td>
<td>Philadelphia</td>
</tr>
<tr>
<td>John G. Woods</td>
<td>Philadelphia</td>
</tr>
<tr>
<td>Edward J. Kohler</td>
<td>Chester</td>
</tr>
<tr>
<td>Ernie Girdick</td>
<td>Harrisburg</td>
</tr>
<tr>
<td>Benjamin P. Thayer</td>
<td>Beaver</td>
</tr>
<tr>
<td>John F. Bradshaw</td>
<td>Harrisburg</td>
</tr>
<tr>
<td>Elizabeth A. Catana</td>
<td>Delaware</td>
</tr>
<tr>
<td>Jeryn B. Zimmerman</td>
<td>ISPE - President at Large</td>
</tr>
<tr>
<td>Sidney J. Myers, PE</td>
<td>Harrisburg</td>
</tr>
<tr>
<td>Michael A. Morrison</td>
<td>Harrisburg</td>
</tr>
<tr>
<td>Jim Summers</td>
<td>Staff</td>
</tr>
<tr>
<td>PRINTED NAME</td>
<td>PSPE CHAPTER</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Harry Carnahan</td>
<td>Lehigh Valley</td>
</tr>
<tr>
<td>Harve Hausik</td>
<td>U.</td>
</tr>
<tr>
<td>John Warner</td>
<td>PSPE</td>
</tr>
<tr>
<td>Paul Dugan</td>
<td>Valley Forge</td>
</tr>
<tr>
<td>A L Gray</td>
<td>NISPE</td>
</tr>
<tr>
<td></td>
<td>Alexandria, VA</td>
</tr>
<tr>
<td>John A. Nason</td>
<td>Delaware</td>
</tr>
<tr>
<td>Jason Schmoker</td>
<td>Phila</td>
</tr>
<tr>
<td>Walter J. Poplawski</td>
<td>Luzerne</td>
</tr>
<tr>
<td>Paul T. Underiner</td>
<td>Beaver County</td>
</tr>
<tr>
<td>David L. McCullough</td>
<td>Beaver</td>
</tr>
<tr>
<td>Dave Bisker</td>
<td>Pittsburgh</td>
</tr>
<tr>
<td>PRINTED NAME</td>
<td>PSPE CHAPTER</td>
</tr>
<tr>
<td>-------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Jim Kerns</td>
<td>LUCERNE COUNTY</td>
</tr>
<tr>
<td>JOHANN SIEVERT</td>
<td>CURRINTA</td>
</tr>
<tr>
<td>Jon W Drosendahl</td>
<td>LEHIGH VALLEY</td>
</tr>
<tr>
<td>Tim Ormiston</td>
<td>PITTSBURGH</td>
</tr>
<tr>
<td>MICHEL SADAKA</td>
<td>PITTSBURGH</td>
</tr>
<tr>
<td>Virginia A. Daley</td>
<td>Pittsburgh</td>
</tr>
<tr>
<td>Richard P. Hulenbach</td>
<td>READING</td>
</tr>
<tr>
<td>Barry Isett</td>
<td>LEHIGH VALLEY</td>
</tr>
<tr>
<td>Francis Stanton</td>
<td>VALLEY FORGE</td>
</tr>
<tr>
<td>Michael W. Moore</td>
<td>VALLEY FORGE</td>
</tr>
<tr>
<td>Leonard K. Bernstein</td>
<td>PHILADELPHIA</td>
</tr>
</tbody>
</table>
Scope of Vice-Presidential Duties

I. Professional Activity

The Vice-President will direct and supervise the committees in his or her assigned field of professional activity. He or she will be responsible to the President for policy and practice development within the field, administration of the committees, and coordinating the work in his or her field with that of other fields or units of the Society. In discharging these duties it will be his or her responsibility to insure:

1. That the committee is aware of its general and/or specific assignment.

2. That the committee by meetings or correspondence is discharging the duties.

3. That the committee submits a report at each Board Meeting.

4. That minutes of committee meetings are prepared and distributed.

II. Regional Liaison

The Vice-president shall be the official representative of the state President in his or her region and shall keep himself or herself informed concerning the operation of the Chapters within his or her region. The experience of the Vice-president in Society affairs makes him or her a key person especially in connection with special problems that might arise.

In discharging his or her regional liaison duties he or she will:

1. Visit all chapters in the region at least once each year

2. Inform Chapter members of PSPE activities by visit, letter, articles in chapter bulletins, etc.

3. Actively follow plans of the chapter, particularly with regards to meetings and finances. Check chapter committees having activities of a continuing nature such as membership, ethics and practice, legislative and government affairs.

4. Attend Chapter Board of Directors Meetings. Best opportunity for guidance and to obtain real appreciation of chapter problems.

5. Represent the state Society at community and special functions.

6. At request represent the state President at functions he or she is unable to attend.

III. Reports

1. A written report to be submitted for each Board Meeting.
Duties of State Directors

Our State Directors, many of whom devote long hours to society work and upon whose shoulders our Bylaws place a heavy responsibility especially when acting as a member of the Executive Board, are to be commended. The Director is expected to express his or her judgment as to the adoption of policies, the expenditure of Society funds and general activities for the benefit of the profession. This requires of necessity that the Director keeps as fully informed as possible of all facets of the Society operations and bring to Board Meetings considered thinking on the broad problems affecting the welfare of Professional Engineers.

Between meetings the Directors need to make every effort to keep informed as to the attitudes of the chapter members concerning the activities of the state and national organizations and their feelings as to the direction in which the Society should be moving.

PSPE is founded on a grass roots philosophy and no policy or program is implemented until reviewed and approved by the representatives of the chapters. It is therefore important that a Director bring to the deliberations of the Executive Board the consensus of the members of the chapter he or she represents. He or she has, however, a dual responsibility as a Director. While the Director should reflect as far as possible the attitudes and concerns of the chapter members, he or she should at the same time retain a sufficiently flexible position so that he or she can express his or her own best judgment in the light of the executive discussions that usually occur regarding each action considered by the Executive Board.

Once a decision of the Board has been reached it is the Director's responsibility to explain to the chapter members the considerations of the Board in arriving at its decision. The State Director is an important communications link and it is not only his or her responsibility of the chapter he or she represents, but he or she also has the responsibility of taking back to the chapter the discussions and decisions of PSPE. There is too often a tendency in the limited time available at chapter meetings to concern themselves only with local problems. State Directors should diligently inform the officers and Executive Boards of the chapters of the programs, activities and philosophies evolved as a result of synthesis of ideas, which occur at Executive Board Meetings.

Each Director should prepare a report of the State Meeting for publication in the chapter bulletin, if one exists, or distribution at a meeting. A personal presentation is best and can be limited to highlighting the written report.
Suggested Procedures for Presenting
New Business at PSPE Meetings:

From time to time chapters have considered various professional matters on which they wish PSPE to take action. Frequently the chapter action is to request their State Director to bring this up at the next PSPE Executive Board Meeting.

To facilitate both the planning of the meeting agenda, as well as to assure adequate discussion of all items, chapters wishing to bring items to the attention of the state Society shall:

1. Use the resolution technique insofar as possible in presenting to the Society actions or considerations requested by a chapter. Care should be exercised that the resolution submitted for consideration give adequate reasons for the request and an indication in the resolved portion as to what specific action is desired by PSPE.

2. Resolutions should be received at PSPE Headquarters not later than thirty days before the PSPE Meeting in order that they may be reproduced and sent to the Board of Directors in advance of the meeting. A supportive statement to explain purpose and provide background data must accompany it. (The Board will not act upon a resolution unless it is received in writing in advance of the meeting.)
## EXPENSE REIMBURSEMENT FORM

Please complete the information below for expenses incurred on authorized Society business.

(Receipts must be attached. Attach additional sheets as necessary)

<table>
<thead>
<tr>
<th>Date</th>
<th>Explanations</th>
<th>Transportation ($0.445/mile)</th>
<th>Breakfast</th>
<th>Lunch</th>
<th>Dinner</th>
<th>Hotel</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Points of Travel: From - To; Mode of Travel, How Many Miles)</td>
<td>($0.445/mile)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Nature of Other Expense, etc.)</td>
<td></td>
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</tr>
</tbody>
</table>

Submitted by: 
(Name/Address)

Signature:

Approved by:

Date: ______________  TOTAL EXPENSES ______________

Please Submit Completed Form To:  
John Nawn, P.E.  
Treasurer, PSPE  
150 Allendale Rd Bldg 3 Ste 3  
King of Prussia, PA 19406  
nawn@gaconsultants.com

Deadline: All expenses must be submitted within 90 days of occurrence to receive reimbursement. Expenses incurred toward the end of the year must be submitted immediately so that they are received in that same year.
# PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS

**STATEMENT OF FINANCIAL POSITION**

**JANUARY 1, 2006 - AUGUST 31, 2006**

## ASSETS

**CURRENT ASSETS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash In Bank</td>
<td>$35,720.45</td>
</tr>
<tr>
<td>Investments-Building Fund (market value 08/31/06-$145,594)</td>
<td>$133,090.32</td>
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<tr>
<td>Investments-Reserve Fund (market value 08/31/06-$103,771)</td>
<td>$111,230.30</td>
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<tr>
<td><strong>TOTAL CURRENT ASSETS</strong></td>
<td><strong>$280,041.07</strong></td>
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**PROPERTY AND EQUIPMENT**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Furniture and Fixtures</td>
<td>$3,217.85</td>
</tr>
<tr>
<td>Accumulated Depreciation</td>
<td>(3,069.32)</td>
</tr>
<tr>
<td><strong>TOTAL PROPERTY AND EQUIPMENT</strong></td>
<td><strong>$148.53</strong></td>
</tr>
</tbody>
</table>

**TOTAL ASSETS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL ASSETS</strong></td>
<td><strong>$280,189.60</strong></td>
</tr>
</tbody>
</table>

## LIABILITIES

**CURRENT LIABILITIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEI</td>
<td>$3,776.56</td>
</tr>
<tr>
<td>PEE</td>
<td>$2,775.22</td>
</tr>
<tr>
<td>PEG</td>
<td>$2,672.33</td>
</tr>
<tr>
<td><strong>TOTAL CURRENT LIABILITIES</strong></td>
<td><strong>$9,224.11</strong></td>
</tr>
</tbody>
</table>

**TOTAL LIABILITIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL LIABILITIES</strong></td>
<td><strong>$9,224.11</strong></td>
</tr>
</tbody>
</table>

## NET ASSETS

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unrestricted Net Assets</td>
<td>$270,965.49</td>
</tr>
<tr>
<td>Operating Fund - Undesignated</td>
<td>$270,965.49</td>
</tr>
<tr>
<td><strong>TOTAL NET ASSETS</strong></td>
<td><strong>$270,965.49</strong></td>
</tr>
</tbody>
</table>

**TOTAL LIABILITIES AND NET ASSETS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL LIABILITIES AND NET ASSETS</strong></td>
<td><strong>$280,189.60</strong></td>
</tr>
</tbody>
</table>
### PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS
### STATEMENT OF REVENUES AND EXPENSES
### JANUARY 1, 2006 thru AUGUST 31, 2006 - 67% of Year Elapsed

<table>
<thead>
<tr>
<th>4000 REVENUES</th>
<th>ACTUAL TO DATE</th>
<th>2006 BUDGET</th>
<th>% of BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100 Profit / Loss Carryover</td>
<td></td>
<td>$ 30,744</td>
<td>-</td>
</tr>
<tr>
<td>4110 Sustaining Associates</td>
<td>$ 4,000.00</td>
<td>3,000</td>
<td>133%</td>
</tr>
<tr>
<td>4120 Membership Dues</td>
<td>87,175.55</td>
<td>160,000</td>
<td>54%</td>
</tr>
<tr>
<td>4130 Investment/Interest Income (Operating Fund)</td>
<td>2,540.43</td>
<td>1,525</td>
<td>167%</td>
</tr>
<tr>
<td>4131 Reserve Fund Withdrawal / Deposit</td>
<td></td>
<td>(12,000)</td>
<td>0%</td>
</tr>
<tr>
<td>4140 Annual Conference</td>
<td>16,129.00</td>
<td>15,500</td>
<td>104%</td>
</tr>
<tr>
<td>4160 Advertising Income</td>
<td>6,681.50</td>
<td>19,000</td>
<td>35%</td>
</tr>
<tr>
<td>4170 Member Services</td>
<td>10,356.42</td>
<td>15,000</td>
<td>69%</td>
</tr>
<tr>
<td>4175 NSPE Membership-Grant</td>
<td>0.00</td>
<td>1,000</td>
<td>0%</td>
</tr>
<tr>
<td>4180 NSPE/PAC-soft dollars</td>
<td>45.00</td>
<td>300</td>
<td>15%</td>
</tr>
<tr>
<td>4190 Miscellaneous Income</td>
<td>1,226.73</td>
<td>500</td>
<td>245%</td>
</tr>
<tr>
<td>4191 Life Member Donations</td>
<td>220.00</td>
<td>3,000</td>
<td>7%</td>
</tr>
<tr>
<td>4200 Service to PEF</td>
<td>10,000.00</td>
<td>10,000</td>
<td>100%</td>
</tr>
<tr>
<td>4201 Service to Practice Divisions</td>
<td>0.00</td>
<td>4,000</td>
<td>0%</td>
</tr>
<tr>
<td>4210 Public Relations Program</td>
<td>11,500.00</td>
<td>11,000</td>
<td>105%</td>
</tr>
<tr>
<td><strong>TOTAL REVENUES</strong></td>
<td><strong>$ 149,874.63</strong></td>
<td><strong>$ 262,569</strong></td>
<td><strong>57%</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>5000 EXPENSES</th>
<th>ACTUAL TO DATE</th>
<th>2006 BUDGET</th>
<th>% of BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td>5100 COMMITTEE ACTIVITIES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5110 Leadership Development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5120 Title Pursuit</td>
<td>$ 1,209.89</td>
<td>$ 1,000</td>
<td>121%</td>
</tr>
<tr>
<td>5130 Awards Program</td>
<td>670.02</td>
<td>700</td>
<td>96%</td>
</tr>
<tr>
<td>5140 Annual Conference</td>
<td>14,605.03</td>
<td>14,000</td>
<td>104%</td>
</tr>
<tr>
<td>5150 Chapter Affairs/Visits</td>
<td>118.90</td>
<td>300</td>
<td>40%</td>
</tr>
<tr>
<td>5170 NSPE NE Region Meeting</td>
<td>0.00</td>
<td>2,000</td>
<td>0%</td>
</tr>
<tr>
<td>5180 NSPE National Meeting</td>
<td>6,513.15</td>
<td>4,500</td>
<td>145%</td>
</tr>
<tr>
<td>5190 Legislative and Government Affairs</td>
<td>33,419.09</td>
<td>48,000</td>
<td>70%</td>
</tr>
<tr>
<td>5200 Membership</td>
<td>122.50</td>
<td>2,000</td>
<td>6%</td>
</tr>
<tr>
<td>5210 Publications</td>
<td>16,008.11</td>
<td>25,000</td>
<td>64%</td>
</tr>
<tr>
<td>5220 Public Relations Program</td>
<td>14,988.00</td>
<td>15,000</td>
<td>100%</td>
</tr>
<tr>
<td>5240 Strategic Plan/Annual Plan</td>
<td>4,460.25</td>
<td>3,000</td>
<td>0%</td>
</tr>
<tr>
<td>5250 NSPE/PAC-soft dollars</td>
<td>0.00</td>
<td>200</td>
<td>0%</td>
</tr>
<tr>
<td>5260 Homeland Security Task Force</td>
<td>0.00</td>
<td>750</td>
<td>0%</td>
</tr>
<tr>
<td><strong>TOTAL COMMITTEE EXPENSES</strong></td>
<td><strong>$ 92,114.94</strong></td>
<td><strong>$ 116,550</strong></td>
<td><strong>79%</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>5500 ADMINISTRATION</th>
<th>ACTUAL TO DATE</th>
<th>2006 BUDGET</th>
<th>% of BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td>5510 Accounting &amp; Auditing</td>
<td>$ 0.00</td>
<td>$ 2,500</td>
<td>0%</td>
</tr>
<tr>
<td>5520 Board Expense</td>
<td>8,871.54</td>
<td>9,000</td>
<td>99%</td>
</tr>
<tr>
<td>5530 Depreciation Expense</td>
<td>0.00</td>
<td>100</td>
<td>0%</td>
</tr>
<tr>
<td>5550 Insurance-D&amp;O</td>
<td>984.00</td>
<td>1,130</td>
<td>87%</td>
</tr>
<tr>
<td>5570 Legal Fees</td>
<td>0.00</td>
<td>100</td>
<td>0%</td>
</tr>
<tr>
<td>5590 Postage</td>
<td>830.04</td>
<td>1,500</td>
<td>55%</td>
</tr>
<tr>
<td>5640 Staff Travel</td>
<td>857.44</td>
<td>1,000</td>
<td>86%</td>
</tr>
<tr>
<td>5650 Association Management</td>
<td>73,525.19</td>
<td>108,995</td>
<td>67%</td>
</tr>
<tr>
<td>5670 Printing/Supplies</td>
<td>2,223.41</td>
<td>3,600</td>
<td>62%</td>
</tr>
<tr>
<td>5680 Telephone</td>
<td>642.74</td>
<td>1,500</td>
<td>43%</td>
</tr>
<tr>
<td>5700 WEB Page Expense</td>
<td>2,392.00</td>
<td>3,600</td>
<td>66%</td>
</tr>
<tr>
<td>5750 Miscellaneous</td>
<td>475.00</td>
<td>500</td>
<td>95%</td>
</tr>
<tr>
<td>5751 Overage Adjustment</td>
<td></td>
<td>12,494</td>
<td>-</td>
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<tr>
<td><strong>TOTAL ADMINISTRATION EXPENSES</strong></td>
<td><strong>$ 90,801.36</strong></td>
<td><strong>$ 146,019</strong></td>
<td><strong>62%</strong></td>
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<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td><strong>$ 182,916.30</strong></td>
<td><strong>$ 262,569</strong></td>
<td><strong>70%</strong></td>
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<tr>
<td><strong>NET REVENUE(LOSS)</strong></td>
<td><strong>$ (33,041.67)</strong></td>
<td><strong>$ -</strong></td>
<td><strong>-</strong></td>
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</tbody>
</table>
REVENUE

#4100 -- Profit / Loss Carryover - Carryover of Profit or Loss from prior year.

#4110 -- Sustaining Associates - Dues paid by “Sustaining Associates” as defined in PSPE bylaws.

#4120 -- Membership Dues - Dues paid to PSPE by all categories of members.

#4130 -- Investment/Interest (Operating Fund) - Interest received on PSPE’s operating fund account.

#4131 -- Reserve Fund Withdrawal / Deposit - Transfers between reserve and operating fund accounts.

#4140 -- Annual Conference - Includes revenues from registration fees, sponsorship commitments, advertising for program, miscellaneous.

#4160 -- Advertising - Sale of ads for six issues of PE Reporter and Annual Roster.

#4170 -- Member Services - Income from various member service programs under contract with PSPE. These programs include: AVIS, ATX Communications, MBNA Credit Card, Americana (professional liability insurance), and United Parcel Service.

#4175 -- NSPE Membership-Grant - A grant from NSPE to cover expenses for membership solicitation.

#4180 -- NSPE/PAC-soft dollars - Check-off item on NSPE dues renewal form. Use for any legislative event to cover expenses; cannot be used for political contributions.

#4190 -- Miscellaneous - Income such as sale of labels to Chapters, pins, etc.

#4191 -- Life Member Donations - Donations received from life members.

#4200 -- Service to PEF - Administrative services provided to the PA Engineering Foundation by PSPE Staff.

#4201 -- Service to Practice Divisions - Administrative services provided to the State Practice Divisions by PSPE Staff.

#4210 -- Public Relations Program - Public Relations.

EXPENSE

Committee Expenses

#5110 -- Leadership Development - Committee expenses related to Leadership Development programs.

#5120 -- Title Pursuit - Committee expenses related to Title Pursuit projects.

#5130 -- Awards - Cost of plaques for Engineer of the Year, Young Engineer of the Year, any related required conference calls and special mailings.

#5140 -- Annual Conference - All expenses related to administering PSPE’s annual conference (meals, coffee breaks, printing, transportation, lodging).
#5150 -- Chapter Affairs/Visits - Expenses related to authorized visits to PSPE’ chapters. Also, includes regional meeting visits.

#5170 -- NSPE NE Region Meeting - Expenses related for officers travel to attend this meeting.

#5180 -- NSPE National Meeting - Expenses related for officers travel to attend this meeting.

#5190 -- Legislative and Government Affairs - Monthly retainer fee and expenses for governmental affairs representative.

#5200 -- Membership - Recruitment and member development expenditures, including purchasing various engineering lists for new PEs and EITs, cost to mail recruitment letters, etc.

#5210 -- Publications - Actual printing and postage costs for six issues of PE Reporter, Annual Roster and any brochures.

#5220 -- Public Relations Program - Public Relations.

#5240 -- Strategic Plan/Annual Plan - Cost facilitator for strategic plan (fees, travel) and attendee expenses.

#5250 -- NSPE/PAC-soft dollars - Expenses for legislative events; other than political contributions.

#5260 -- Homeland Security Task Force – Expenses incurred by committee members and staff related to Homeland Security task force activities.

**Administrative Expenses**

#5510 -- Accounting & Auditing - Cost of annual audit, required under bylaws.

#5520 -- Board Expense - Board meeting costs and expenses incurred by authorized board and committee members on PSPE related business.

#5530 -- Depreciation Expense - Allocation of the cost of fixed assets over their useful lives.

#5550 -- Insurance-D&O - Liability insurance, Directors and Officers Liability insurance, etc.

#5570 -- Legal Fees - All attorney fees for PSPE business.

#5590 -- Postage - For daily mail, bulk mail, etc.

#5640 -- Staff Travel - Expenses for staff travel to attend functions on behalf of PSPE.

#5650 -- Association Management - Contract costs related to fees for association management services.

#5670 -- Printing/Supplies - Cost of miscellaneous printing/photocopies and office supplies needed to efficiently operate PSPE’s.

#5680 -- Telephone - Telephone services/long distance and fax charges.

#5700 -- WEB Page - Design and administration of PSPE’s web page.

#5750 -- Miscellaneous -

#5751 -- Overage Adjustment -
REPORT OF FINANCE COMMITTEE CHAIRMAN  
Michel J. Sadaka, P.E.  
Report Date 9/13/2006

This report reflects account balances as of 31-Aug-06

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<thead>
<tr>
<th>Account Number</th>
<th>724-16710-10 375</th>
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<tbody>
<tr>
<td><strong>Account Name</strong></td>
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<td>12/31/2004</td>
<td>$35,479.51</td>
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<tr>
<td>12/31/2005</td>
<td>$42,016.71</td>
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<tr>
<td>1/3/2006</td>
<td>$42,774.29</td>
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<td>2/28/2006</td>
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<td>3/31/2006</td>
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<td>4/30/2006</td>
<td>$44,085.50</td>
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<td>5/31/2006</td>
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<tr>
<td>6/30/2006</td>
<td>$43,473.05</td>
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<td>7/31/2006</td>
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<tr>
<td>8/31/2006</td>
<td>$44,181.64</td>
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<td>9/30/2006</td>
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<td>11/30/2006</td>
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<td>12/31/2006</td>
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<tr>
<td><strong>2006 Performance</strong></td>
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<tr>
<td><strong>Performance from 12/31/2004 Adjusted for cash reinvestment</strong></td>
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</tbody>
</table>

**General Fund:** This is our short-term fund that was generated by past surpluses in our operating budget. It is invested in three Smith Barney Mutual Funds.

<table>
<thead>
<tr>
<th>Reserve Fund - Building</th>
<th>PA ENG FOUNDATION</th>
<th>PSPE CHECKING</th>
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<tbody>
<tr>
<td><strong>Account Number</strong></td>
<td>724-08157-17 375</td>
<td>724-09146-19 375</td>
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<tr>
<td><strong>Account Name</strong></td>
<td><strong>Managed Appreciation</strong></td>
<td><strong>Performance month to month</strong></td>
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<td>$117,486.00</td>
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<tr>
<td>12/31/2004</td>
<td>$126,337.22</td>
<td>$107,455.82</td>
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<tr>
<td>12/31/2005</td>
<td>$138,211.97</td>
<td>$117,999.27</td>
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<tr>
<td>1/3/2006</td>
<td>$140,983.34</td>
<td>$123,998.47</td>
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<td>2/28/2006</td>
<td>$142,737.32</td>
<td>$123,032.64</td>
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<td>3/31/2006</td>
<td>$145,553.04</td>
<td>$131,084.21</td>
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<td>4/30/2006</td>
<td>$145,413.84</td>
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<td>5/31/2006</td>
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<tr>
<td>12/31/2006</td>
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<tr>
<td><strong>2006 Performance</strong></td>
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</tr>
<tr>
<td><strong>Overall Performance from 12/31/2004</strong></td>
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<td></td>
</tr>
</tbody>
</table>

(1) Amount Deposited in Fund @ Inception - no additional contributions or withdrawals were made since then. The interest rate is the effective rate since inception until now.

**Reserve Fund - Building:** This is our longer term fund that was generated by the proceeds from the sale of our office building. It is invested in various company stocks and is managed by Laurel Capital Advisors.
PRESIDENT’S REPORT
Harve Hnatiuk, P.E.

It has been a busy summer during which much work has been done to develop our Strategic Plan for the coming years. The development of the plan began prior to our Strategy Management meeting in Carlisle in June. The Carlisle meeting framed several issues that were deemed to be important to professional engineers and other issues that were more directed toward PSPE and NSPE. Following the Carlisle meeting (at which a very successful Leadership Conference was also held), a membership survey was developed to give all members the opportunity to review and provide feedback on the issues identified in Carlisle and to provide thoughts on other areas that need to be addressed.

The survey was sent to the 1550 members of PSPE for whom accurate e-mail addresses are known. 285 responses were received...over 18%, which people tell me is pretty good for a survey of any kind. Thank you to all members who took the time to provide valuable feedback to the development of plans for the coming years.

Results from the survey are included in the Board Book and will be summarized in an upcoming issue of the PE Reporter.

The results of the survey as well as interim discussions among the Executive Committee and PSPE staff were used to develop the draft of the Strategic Plan, which will be one focus of our discussions during the meetings of September 22-23 in Altoona.

Throughout the summer, the Executive Committee has met via teleconference at least once each month and has engaged via e-mail continually.

I am pleased to welcome the following new committee, task force and practice division leaders:

- Dale Englehart, P.E. – PEPP.
- Fred Akl, P.E. – PEE.
- Dave Williams, P.E. – Awards.
- Tim Ormiston, P.E. – Membership.
- Rick Aulenbach, P.E. – Conference Planning Committee and Conference Planning Task Force.
- Harry Garman, P.E. – Nominating Committee.

Thank you to all of the above as well as to returning committee and practice division chairs. Your efforts are appreciated and very much needed for PSPE to have a successful year.

Note that there are leadership opportunities on other committees. Please see the Committee spreadsheet that is part of the Board Book. It would be great to see more names on this spreadsheet after this weekend’s meetings in Altoona. If you can help, please let me or your Regional VP know.

Here is a summary of my overall activities since we last met at the Engineers Conference in King of Prussia.

May 2006

- Participated in NSPE Critical Infrastructure Homeland Security (CIHS) Task Force teleconference.
- Participated in the Lehigh Valley Chapter PSPE’s Installation and Awards Dinner in Bethlehem, PA. Installed the Chapter’s new Board and Officers and presented Ed Becker, P.E. with his NSPE Fellow pin and certificate.
June 2006

- Participated in teleconference with Strategy Management session facilitator Jim Dalton, CAE.
- Participated in PSPE Executive Committee teleconference.
- Participated in PSPE Strategy Management session in Carlisle, PA.
- Participated in PSPE Leadership Conference in Carlisle, PA.
- Participated in NSPE CIHS Task Force teleconference.

July

- Participated in PSPE Executive Committee teleconference.
- Attended NSPE Board of Directors Meeting at the NSPE Convention in Boston, MA.
- Represented PSPE as its House of Delegates member at the NSPE Convention in Boston, MA.
- Participated in Northeast Region NSPE Meeting at NSPE Convention in Boston, MA. Provided PSPE report. Followed up with written report.
- Participated in NSPE Leadership Training session at the NSPE Convention in Boston, MA.
- Participated in meeting of NSPE CIHS Task Force at the NSPE Convention in Boston, MA.
- Participated in NSPE Legislative & Government Affairs meeting at the NSPE Convention in Boston, MA.
- Participated in Reading Chapter PSPE meeting. Installed Reading Chapter Board and Officers.

August

- Participated in PSPE Executive Committee teleconference.
- Participated in PSPE Membership Committee formation teleconference.
- With John Wanner, met with key legislative staff involved with SB 655 in Harrisburg.
- Participated in NSPE CIHS Task Force teleconference.

September

- Participated in NSPE Legislative & Government Affairs teleconference.
- Participated in PSPE Membership Committee teleconference.

It is my hope to visit every region of PSPE and to provide presentations at as many Chapters as possible during my term as PSPE’s president. As of now, my upcoming schedule includes:

November 16 – Speaking at Luzerne Chapter PSPE meeting.
November 30 -- Keynote speaker at Southeast Region PSPE meeting, hosted by the Chester County PSPE chapter.
December 3 -- Valley Forge Chapter Day at the Races, Philadelphia Park.

Please let me know as much in advance as possible if you would like me to participate in an event in your region or with your chapter.

Let’s continue to engage more members in our organization so that we make this year a great one for every member, every Chapter.

Harve Hnatiuk, P.E.
2006-07 PSPE President
# PSPE Strategic Plan – September 2006 (Draft)

## Vision
PSPE is the recognized voice and advocate of all Professional Engineers who are licensed in Pennsylvania.

## Mission
Promote and defend the interests of Pennsylvania’s Professional Engineers.

## Values
Live and work in concert with The Engineer’s Creed and The Professional Engineer’s Code of Ethics.

## Objectives
Increase the stature of the Professional Engineer’s license as it is viewed by the general public, owners and operators of businesses, educators, and non-licensed engineers.

Demonstrate and continually improve the value of membership in PSPE.

Protect the Professional Engineer’s license and title through careful monitoring of legislation and proactive efforts.

Sustain or increase membership levels as measured on September 30th through June 30th the following year (the PSPE year), each year.

## Strategies
Value of the Professional Engineer’s License and Engineering Services: Increase the understanding of what Professional Engineers do and work to ensure that compensation received by Professional Engineers is truly commensurate to the services delivered.

Value of PSPE Membership: Deliver value in services to members that elevate their competence and abilities to practice as Professional Engineers.

Protect the Professional Engineer’s License: Routinely scan all upcoming legislation for potential infringement and devaluation of the PE license and proactively work to eliminate existing or pending infringements.

Membership: Increase membership base to better serve and represent the interests of Professional Engineers in Pennsylvania.

## Priorities
- Establish a Public Relations Committee within one (1) month of approval of the September Board of Directors Meeting. Actively publicize PSPE’s involvement in Mathcounts beginning no later than October 31, 2006.
- Build membership committees in each PSPE Chapter by December 31, 2006.
- Re-organize the Title Pursuit Task Force by October 31, 2006.
- Re-organize the Legislative Committee by October 31, 2006 to address all issues regarding legislation related to licensure and to proactively push for qualifications based selection (QBS) for private, municipal and state engineering contracts.
- Meet with owners and managers of engineering firms, industries and government to determine what types of programs within PSPE can specifically aid in their employees’ development. Complete six (6) such meetings by November 30, 2006.
- Resume awards programs in all practice divisions and maximize the number of PSPE members nominated for Fellow status in NSPE. Develop awards criteria for all new 2006-07 awards by November 30, 2006.
<table>
<thead>
<tr>
<th>Practice Division/Committee</th>
<th>Overview</th>
<th>Exec Comm Liaison</th>
<th>Retain?</th>
<th>2005-06 Chair</th>
<th>2006-07 Chair</th>
<th>Northeast</th>
<th>Southeast</th>
<th>Central</th>
<th>Northwest</th>
<th>Southwest</th>
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<tbody>
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<td>Walt Poplawski, P.E.</td>
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<td>Walt Poplawski, P.E.</td>
<td>Dara Englehart, P.E.</td>
<td>Johann Szuhner, P.E.</td>
<td>Paul Dugan, P.E.</td>
<td>Christeen Lindsay, P.E.</td>
<td>Michel Sadaka, P.E.</td>
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<td>Len Lutz, P.E.</td>
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<td>Sid Myers, P.E.</td>
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<td>Gunther Cartle</td>
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<td>Frank Stanton, P.E.</td>
<td>Sara Fraley, P.E.</td>
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<td>Len Bernstein, P.E.</td>
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<td>Jim Cobb, P.E.</td>
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<td>Harve Hnatuk, P.E.</td>
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<td>Rick Auernbach, P.E.</td>
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<td>Conference Planning Task Force</td>
<td></td>
<td>Rick Auernbach, P.E.</td>
<td></td>
<td>Amy Daube, P.E.</td>
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<td>Nominations</td>
<td>Ernest Gingrich, P.E.</td>
<td>No</td>
<td></td>
<td>Harry Garman, P.E.</td>
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<td>Fellow</td>
<td>Lisa Cebarski, P.E.</td>
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HOUSE OF DELEGATES REPRESENTATIVE’S REPORT
Harve Hnatiuk, P.E., F. NSPE

It was indeed an honor to represent PSPE at the NSPE Convention in Boston in early July 2006. The upside of going to such gatherings of professional engineers includes the renewal of spirit that one experiences by witnessing the dedication of fellow volunteers and state society and national organization staff.

The saying (I believe from Benjamin Franklin) that “Birds of a feather flock together” rings so truly at gatherings of professional engineers such as a PSPE Engineers Conference and a NSPE Convention. It is great to know that so many professionals in our nation truly CARE about our profession.

In Boston, as PSPE’s representative, I conversed with many fellow engineers and state society representatives. Naturally, a big topic was the change in governance. Another subject was of course the NSPE AMS situation.

Here is a summary of what transpired in the House of Delegates (HoD) meeting, which was held on July 11, 2006 and lasted the entire day.

1. Various representatives from other organizations spoke to the assembled group, including ABET, ASHRAE, ASLA (Landscape Architects), CCPE (Canadian PEs), NAFE (Forensic Engineers), NCEES, and UPADI (Pan American Association of Engineers).

2. The election of the NSPE Board of Directors’ Member-at-Large and President-elect were held.

Four (4) candidates were initially running for Member-at-Large. However, one (Mike Fink, P.E.) withdrew. Ed Racilla, P.E. of Florida was elected, tallying 66 out of 124 votes. Zeyn Uzman, P.E. (Illinois) and Jim Lesikar, P.E. (Maryland) received 51 and 7 votes respectively.

Ken Rigsbee, P.E. (Texas) defeated Kevin Cooley, P.E. (70-54) to become NSPE’s next President-elect.

3. An appeal was made for contributions to the NSPE PAC. Each HoD member was asked to contribute $20.

4. It was noted that the HoD members’ terms would end after either the next or the following NSPE Convention. For Pennsylvania, that means my term will end at the 2008 NSPE Convention.

5. The revised NSPE By Laws, which were updated primarily to reflect the new governance of NSPE, were approved.

6. The NSPE Metrics Oversight Task Force presented the results of the NSPE surveys that many of us completed earlier this year. The results are provided in the Board Book. The results and statistics are very interesting. Please take a look at them.

7. A call was made for more NSPE Fellow nominations. This year, PSPE can have a maximum of five (5) Fellows selected from our nominations.
8. NSPE will be sending out a Request for Proposal for the upgrading of the web site in early October 2006.

9. The SSEC report spoke to the impact of the AMS implementation at NSPE but called for state societies to allow NSPE the time it had requested to straighten things out. (Note in the NSPE Board Meeting that preceded the HoD Meeting, there was over 90 minutes of debate and Q&A about the AMS. It was brutal at times. NSPE made a commitment to hit a number of milestones by September 1, 2006. It is unclear at this time whether these commitments were met although a recent letter from another state society’s executive director expressing much dismay with the overall situation and impact of the AMS problems.) The Market Research Project was deemed to be valuable. The states were asked to do their parts in fostering the State-NSPE partnership.

10. Outgoing NSPE President Kathryn Gray, P.E. (Illinois) provided a report on her year. She included some “best practices” that she witnessed while visiting many states during her tenure including a live auction that PEC of Tennessee held. She thanked everyone for their hard work and expressed her appreciation for having the honor of being NSPE President.

11. Incoming NSPE President Bob Miller, P.E. (Virginia) and President-elect Bernie Berson, P.E. (New Jersey) also provided brief reports.

12. NSPE Executive Director Al Gray, P.E., CAE provided a report that addressed the immediate path forward for the AMS situation. NSPE had not decided on a drop date for the 6/30/06 delinquent list and will work through the states on this issue. (Note: This has not been resolved yet to my knowledge.)

13. The NSPE Board of Ethical Review (BER) plans to revisit the Code of Ethics.

14. New Jersey introduced a resolution regarding the formalization of a membership development strategy called “The Recruitment Funnel”, which presents the benefits of registration and then membership in NSPE to people interested in engineering from their high school years, as engineering students in college, as graduates of an engineering program, and as professional engineers.

15. Regarding recruitment of new members, all HoD members were urged to walk-the-talk as well as talk-the-talk and recruit at least two members in the coming year.

16. The next HoD meeting will be held in Denver, CO next July at the NSPE Convention.
Pennsylvania Society of Professional Engineers
Summary of Legislation
September 2006

Gannon Bills Get Public Airing
The House Professional Licensure Committee's Task Force on Victims' Rights conducted a public hearing on House Bills 2101, 2102, and 2103 on August 29 in Harrisburg. HB 2101, to be known as the Professional and Occupational Affairs Recovery Act, establishes the Professional and Occupational Affairs Recovery Fund as a mechanism for individuals aggrieved by professional or occupational licensees to recover losses incurred after discipline has been levied by a licensing board; provides for power and imposes duties and makes a repeal. The fund imposes a biennial license renewal fee of $10 in addition to the normal biennial renewal fee charged by a licensing board, and also sets a disciplinary fee for a licensee disciplined by a licensing board in addition to any penalty assessed. HB 2102, the Professional and Occupational Affairs Victims Advocacy Act provides for advocacy for victims of improper action by licensed professionals; and imposes functions on the Commissioner of Professional and Occupational Affairs and the Bureau of Professional and Occupational Affairs. The act provides for the ability of a citizen affected by the actions of a licensee to receive assistance in having his or her interests represented before a licensing board during disciplinary hearings against the licensee. The act provides for the creation of a Commissioner, who will be able to appoint victim advocates and counsels, among other duties. The act also establishes the position of Victim advocate within the bureau of the Office of Victim Advocate. HB 2103 provides for the offense of intimidation of witnesses or victims, retaliation against witness, victim or party and for retaliation against prosecutor or judicial official. The bill defines various terms including "disciplinary proceeding", "licensing board", "professional or occupational license", in regards to intimidation or retaliation against victim, witness, prosecutor or judicial official. The bill would add to the definition of "victim", a person who has filed a complaint in the Department of State against the holder of a professional or occupational license. Additionally, the bill defines "witness" as any person who having knowledge of the existence or nonexistence of facts or information relating to a disciplinary proceeding or investigation.

Basil Merenda, Commissioner of the Bureau of Professional and Occupational Affairs (BPOA), told committee members, "There is no doubt that the intent of these legislative initiatives are consistent with Governor Rendell's vision of making BPOA and its 27 licensing boards more accessible, responsive and accountable to the legislature, licensees and, most importantly, to the public." He added that there are some problematic areas in the legislation which he said his office and staff would be willing to work directly with the committee staff to address. Merenda explained his concerns with the eligibility provisions in HB 2101 on who may be eligible to seek compensation from the fund established in the legislation and how eligibility is to be determined and how it should be done. He suggested the committee include a provision requiring a claimant to prove he or she is not the spouse of the debtor or the personal representative of that spouse, as is the case with the Real Estate Recovery Fund. Also he suggested another provision similar to the one found in the Real Estate Fund should be added which would specify that a claim must be based on an activity or transaction for which a license is required. Merenda also explained the need that the legislation specifies that recovery from the proposed fund shall be limited to losses from bad acts of the licensee as a licensee.

Another area of concern expressed by Merenda was the lack of a provision in HB 2101 that would permit a consumer-claimant to file a claim for compensation from the fund based on a civil or criminal complaint initiated by the claimant that resulted in a civil judgment or criminal conviction. He said permitting a consumer to file a claim based on these two grounds would provide the consumer an additional basis for relief because under the legislation the consumer is limited to filing a claim based on the facts underlying the bad acts of the licensee. Merenda told committee members, "I bring this issue to the Committee's attention because otherwise a very contradictory result could occur." He explained how a person victimized by a licensee would not be permitted to recover from the proposed fund if the BPOA prosecutor would decide to move against a licensee not on the facts underlying the bad acts of the licensee but rather on the basis of a criminal conviction against the licensee. Merenda suggested the committee add a provision requiring the filing of claims within a specified period of time after the alleged violation occurred in order to qualify to file a claim for payment from the proposed fund. Merenda expressed concern with the provisions of HB 2102 establishing within BPOA a Victim Advocate and making the BPOA Commissioner the supervisor of the Victim Advocate. He told the committee members "our lawyers have informed us that as it stands now, HB 2102 would be in violation of constitutional due process
safeguards all of our licensees have pursuant to the Lyness' decision if the Victim Advocate, which effectively serves a prosecutorial role, is placed under the supervision of the BPOA Commissioner." Merenda further explained it is a violation because the BPOA Commissioner sits as a voting member in disciplinary cases in 25 of the 27 licensing boards. He suggested the committee correct the conflict with the Commonwealth Attorneys Act as it relates to the hiring of legal counsel in the Victims Advocate Office and provide authority to the Victim Advocate to assist not only victims of licensees, but also to permit the Advocate to assist individuals who are victimized by anyone engaged in the unlicensed practice of a profession.

Merenda described HB 2103 as "a solid piece of legislation". He recommended the committee consider adding a provision to cover intimidation of and/or retaliation against victims and witnesses in cases involving the unlicensed practice by individuals not licensed by any of BPOA's licensing boards. Also he asked for the addition of a provision to add licensing board legal counsel to the list of BPOA judicial officials and prosecutors against whom intimidation is prohibited.

Rep. Major asked if the Lyness concerns raised by the provisions in HB 2102 could be addressed by adding an amendment placing the Victims Advocate Office under the supervision of the Secretary of the Commonwealth. Merenda said he believes it would.

Ellen Renish, chair of the Legislative Committee of the Pennsylvania Association of Realtors, described the concept of HB 2101 as "tragically ill conceived" and that it "would severely impact Realtors in the Commonwealth." She expressed the following concerns with the legislation:

- It will be costly to licensees.
- It will encourage unnecessary and frivolous licensing complaints.
- It undermines the civil law system.
- It undermines the Real Estate Licensing and Registration Act.
- It denies licensees due process.
- It makes the BPOA Commissioner judge and jury.
- It will be a detriment to the public good.

Renish told committee members, "We believe that the envisioned process would encourage the filing of frivolous licensing complaints, severely lacks due process for the defense of the licensee and creates a financial strain on all licensees through unnecessary awards of compensation and through the creation of a new bureaucracy within the BPOA."

The following groups submitted written comments: The Hospital & Healthsystem Association of Pennsylvania, AARP Pennsylvania, ACLU of Pennsylvania, and the Pennsylvania Institute of Certified Public Accountants.

**Department of Health Announces Adoption of the 2006 Edition of the Guidelines for Design and Construction of Hospitals and Health Care Facilities**

The Department of Health announced it will adopt the 2006 edition of the "Guidelines for Design and Construction of Hospitals and Health Care Facilities". As of February 3, 2007, the Department will apply these new requirements to all plans for new construction or renovations for hospitals and ambulatory surgical facilities. The established procedure requires construction plans to be submitted and the issuance of a final construction plan approval by the Division of Safety Inspection prior to the start of any new construction, renovation, modernization or changes in usage. Anyone interested in purchasing a copy of the 2006 edition of the "Guidelines for Design and Construction of Hospitals and Health Care Facilities" may telephone the American Institute of Architects' (AIA) Bookstore (small orders) at 1-866-SHOP-AIA, or online at [www.aiabookstore.com](http://www.aiabookstore.com). Questions regarding this notice should be directed to Peter P. Petresky, Director, Division of Safety Inspection at (717) 787-1911.

**Legislative Activity**


States that no person would hold himself out as a contractor nor would a person perform any home improvement without first registering with the Bureau of Consumer Protection in the Office of Attorney General. The bill states that the bureau would maintain a toll-free telephone number from which a caller can obtain information as to whether a contractor is registered with the bureau. The bill outlines the procedures for registration as a contractor, and requires that each application for a certificate for a home improvement contractor or renewal of that certificate would be accompanied by a fee of $50, and would be renewed on a biennial basis. After completion of the application and payment of the fee, the bureau would issue the home improvement contractor a registration
certificate identifying the name of the individual contractor, name and address of the business and a registration number. The legislation also outlines the requirements in home improvement contracts. The bill also provides for the offense of home improvement fraud, and provides for penalties. Lastly, registration under this act would preclude any requirement of payment of a fee or registration of any home improvement contractor by any political subdivision. Political subdivisions would be permitted to require building permits and local enforcement of the building code for that political subdivision, for which a reasonable fee may be charged.

Passed Senate, 6/26/2006 (36-14)
Referred to House Consumer Affairs Committee, 6/27/2006
Informational meeting held in House Consumer Affairs Committee, 8/23/2006

SB 1104 RE: One-Call System (by Sen. Tommy Tomlinson, et al)
Amends the Underground Utility Line Protection Law further providing for the title of the act, for definitions, for duties of facility owners and for the duties of the One Call System; providing for liability, fees and governance of the One Call System; further providing for applicability; providing for the duties of project owners and for rights of the Auditor General; further providing for the governing board of the One Call System, for fines and penalties and for applicability to certain pipeline systems and facilities; providing for a voluntary payment dispute resolution process, for best efforts, for removal or tampering with a marking, for determination of position and type of lines and for impairment of rights and immunities; further providing for expiration; repealing provisions of the Propane and Liquefied Petroleum Gas Act, concerning the prohibition of certain liquefied petroleum gas facilities or distributors from being subject to the Underground Utility Line Protection Law; and making an editorial change.

Passed Senate, 6/26/2006 (50-0)
Referred to House Consumer Affairs Committee, 6/27/2006
Informational meeting held in House Consumer Affairs Committee, 8/24/2006

New Bills Introduced

No bills of interest to PSPE were introduced in the past month. The legislature is in recess until late September.

Upcoming meetings of interest
None

2006 HOUSE Fall Session Schedule
September 25, 26, 27
October 2 (non-voting), 3, 4, 16, 17, 18, 23, 24
November 13, 14, 15, 20, 21, 22, 27 (non-voting)

Fall Senate session schedule
September 19, 20, 25, 26, 27
October 3, 4, 16, 17, 18
Post-election Senate schedule has not been announced

Session Ends on November 30

Copies of all bills of interest are available from the PSPE office, or they can be accessed via the Internet at http://www.legis.state.pa.us/WU01/LI/BI/billroom.htm
PA SOCIETY OF PROFESSIONAL ENGINEERS
PAC
Action - May 16, 2006 to September 14, 2006

Balance 05/16/06 $2,205.88

Contributions to Account
- May Contributions 395.00
- June Contributions 55.00
- July Contributions 365.00
- August Contributions 175.00

Total Contributions $990.00

Payments from Account
- HRCC 2006 350.00
- The Friends of Mike O'Pake Committee 250.00
- The Senate Republican Campaign Committee 400.00
- Friends of Mark Mustio 250.00

Total Payments $1,250.00

BALANCE 09/14/06 $1,945.88
The Pennsylvania Society of Professional Engineers

Membership Committee Report
Timothy S. Ormiston, P.E.; Chairman

September 19, 2006

Greetings from your new Membership Committee Chairman! I accepted the assignment from John Bradshaw 6 weeks ago and it has been a busy time since then. Activities include:

Aug. 9th  Conference call with Harve Hnatiuk, Jen Summers and John Bradshaw
Aug. 18th  Luncheon meeting with Jen Summers in Harrisburg
Sept. 1-15  Formation of committee
Sept. 18th  Conference call with committee

Committee Members:
- Virginia Dailey, P.E.
- Jon Drosendahl, P.E.
- Paul Dugan, P.E.
- Carl DuPoldt, P.E.
- David Folk, P.E.
- Timothy Ormiston, P.E.
- Jennifer Summers
- Thomas Terry, P.E.

Advisors:
- Harve Hnatiuk, P.E.
- John Bradshaw, P.E.

During our conference call I found the committee spirited, full of ideas, and ready to be involved. Several issues have been identified for focused effort in the near term:
- Broadening the use of the 6-month free membership,
- Seeking new individual members through PEPP practice division contacts with engineering firms,
- Individual member retention,
- Increase member activities at the Chapter level,
- To name a few…

We are challenged to understand member records contained in the new NSPE database. Jennifer Summers has communicated some of the details to you under separate cover. We will be working with NSPE to eliminate the confusion that is happening with our members.

I am excited about our new beginnings and look forward to making positive change in PSPE membership. Please feel free to contact me should you have questions about committee activities.

Timothy S. Ormiston
September 18, 2006

TO: PSPE 2007 Awards Committee

Lance Shreffler, P.E., Vice Chair
Andrew Shakely, P.E.
Joseph Daily, P.E.
Walter Poplawski, P.E.
James Cobb, P.E.
John Churnetski, P.E.

Ex Officio:
  Harvey Hnatiuk, P.E., PSPE President
  Leonard Bernstein, P.E., PSPE President-Elect
  John Wanner, CAE, PSPE Executive Director
  Jennifer Summers, PSPE Co-Executive Director
  Joseph Boward, P.E., Secretary

FROM: David Williams, P.E., PSPE Awards Committee Chair

RE: PSPE Awards Schedule

Hello! As the new Chair of the PSPE Awards Committee for 2007, let me thank you in advance for your continued support. Following in Joe Boward’s footsteps on this committee will be difficult, but he has laid out a great roadmap for us to follow. Last year was my first year on this Committee, and it operated very efficiently.

For my Report to the PSPE Board of Directors Meeting on September 23, 2006, the following milestones are noted (most of our work happens from late February to May):

October, 2006: Place an article in the PE Reporter announcing the upcoming Awards

November, 2006: Notify the Awards Committee members

January, 2007: Confirm Awards Committee and layout Committee schedule

Early March, 2007: Nominations due and Evaluation Forms distributed to Committee Members

Late March, 2007: Completed Evaluation Forms returned to Committee Chair

Early April, 2007: Award Winners announced to PSPE

Mid April, 2007: Notification and coordination with various winners

May, 2007: Present Awards at PSPE Conference Banquet
-----Original Message-----
From: Laura Burns [mailto:lburns@nspe.org]
Sent: Monday, September 18, 2006 12:06 PM
To: Laura Burns
Subject: Seeking 2007 Honor Awards nominations

Dear NSPE State Presidents, Executives/Secretaries:

Each year the state societies have the opportunity to nominate three of their members for NSPE Honor Awards. You still have time to start the nomination process in your state and thereby help recognize our outstanding members.

WHAT ARE THE AWARDS?

The NSPE Award:
The NSPE Award is the highest award given to an individual by the Society. It is presented to an engineer who has made outstanding contributions to the engineering profession, the public welfare, and/or humankind.

The Distinguished Service Award:
This award was established to recognize NSPE members for their exceptional technical contributions to the engineering profession, their contributions to their communities, and to NSPE.

The Young Engineer of the Year Award:
This award recognizes NSPE members who are 35 years of age or younger and have made outstanding contributions to the engineering profession and their communities during the early years of their careers.

WHERE CAN YOU FIND DETAILS ON QUALIFICATIONS, SELECTION METHOD, AND NOMINATION PROCEDURES?

Go to the NSPE Web site: http://www.nspe.org, click on Honors & Awards (on the lower left), and then NSPE Honor Awards, or go directly to the NSPE Honor Award page at http://www.nspe.org/awards/ab2-awhnrs.asp.

To access the NSPE Award directly go to:
http://nspe.org/awards/nspeaward.doc
To access the Distinguished Service Award directly go to:
http://nspe.org/awards/distservaward.doc
To access the Young Engineer of the Year Award directly go to:
http://nspe.org/awards/youngengineer.doc

WHEN IS THE DEADLINE?

The deadline for nominations for all three awards is JANUARY 31, 2007.

FOR QUESTIONS PLEASE CONTACT:

Laura Burns
703-684-2804
lburns@nspe.org

Notice: The New Faces in Professional Engineering deadline is quickly approaching. Please submit nomination forms by Friday, September 29, 2006.

Laura Burns
Program Coordinator
State and Chapter Relations and Meetings National Society of Professional Engineers 1420 King Street Alexandria, VA 22314
Phone: (703) 684-2804 Fax: (703)836-4875
2007 – 2008
NOMINATING & ELECTION PROCESS SCHEDULE
PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS

• Canvas each Chapter for suggested nominees for the offices of President-elect, Vice-Presidents, Secretary, and Treasurer
  8.18.06

• The President shall appoint one State Director from each region to serve on the Nominating Committee.
  9.22.06

• The President’s appointments shall be confirmed by the Board of Directors.
  9.23.06

• Executive Committee shall establish and publish a schedule of dates for the nomination and election process, allowing its completion before the Annual General Membership Meeting of the Society and providing for adequate time to complete each step of the process.
  9.22.06

• Chapter Presidents and/or State Directors submit suggestions for nominations to Nominating Committee.
  10.20.06

• The Nominating Committee, after canvassing each Chapter for suggested nominees for the offices of President-elect, Vice-Presidents, Secretary, and Treasurer, shall submit a report of its nominees to the Society’s President with a copy to the Executive Director.
  11.3.06

• The President shall direct the publication of the report, together with a brief biographical sketch of each nominee, in the official Society publication or other means of notifying the membership. The published report or other notification shall include the procedures for additional nominations by petition.
  Nov/Dec PE Reporter (Distributed 2nd week in Dec.)

• Nominations by petition signed by at least 25 eligible members must be delivered to the Secretary, including a picture and biography of the candidate, in accordance with the schedule established by the Executive Committee to be eligible for inclusion on the ballot.
  Received by 1.19.07

• A copy of the petition and accompanying material shall be concurrently delivered to the Chair of the Nominating Committee.

• The Secretary shall verify the membership validity of the signers and inform the Chair of the findings, and also if in proper order, make the appropriate listing on the ballot.
  1.26.07

• In the event of multiple nominations for any office, the President shall appoint three members to a Tellers Committee which shall be chaired by the Secretary of the Society.
  1.26.07

• In the event of a single nominee in each position resulting from the submission by the Nominating Committee of a complete slate of nominations for all vacancies and with no quoted petition candidates submitted, the Secretary shall be directed by the President to cast a single ballot for all nominees upon acceptance of the Nominating Committee’s report by the Board.
  3.27.07
Multiple Nominations

Whenever there is more than one nomination made for any office to be filled, an official ballot shall be prepared by the Secretary and, together with a special ballot envelope which shall provide space for the signature and address of the member voting to be affixed thereon, shall be mailed by the Secretary to each voting member in good standing in accordance with the schedule established by the Executive Committee.

If there is more than one nomination for the office of a Regional Vice-President, only members in good standing in that Region shall vote that office. Only the offices of President-Elect, Secretary and Treasurer shall be statewide elections.

The official ballot shall list the names of all candidates, the ballot position of which for each office shall be determined by lot administered by the Secretary, and be marked with proper voting instructions. A biographical sketch of each candidate shall be included with the official ballot. Voting shall be limited to those candidates listed on the official ballot.

A valid ballot shall be one which is received by the Secretary in an envelope on or before the date specified on the ballot, and which envelope shall bear the signature of an eligible voting member.

All valid ballots shall be opened and promptly tallied by a Tellers Committee consisting of the Secretary and three members appointed by the President. The Secretary shall be Chair of the Committee. The nominee for each office receiving the greatest number of votes cast for such office shall be declared elected to such office.

The Secretary shall immediately inform the officers and the officers-elect of the results of the ballot, direct the publishing of the results, including vote tallies, in the next issue of the official Society publication, and announce the results at the Annual General Membership Meeting.

The Tellers Committee shall be dismissed and the Secretary shall make a formal report of the election at the Annual General Membership Meeting.

Mailed to membership 2.23.07 or to be inserted in the January/February PE Reporter (Distributed 2nd week in February.)

Returned postmarked on or before 3.16.07 & received by 3.23.07

Ballots tallied by 4.06.07

5.19.07

5.19.07
Pennsylvania Society for Professional Engineers

Introduction:

The National Council of Examiners for Engineering and Surveying (NCEES) has been studying the engineering licensure model in the United States for several years. A task group report, entitled “Report of the Engineering Licensure Qualifications Task Force” (ELQTTF) was presented to NCEES in 2003. Several of the recommendations were drafted into the model law by the “Licensure Qualifications Oversight Group” of NCEES for adoption in 2005, passing the (LQOG) by a slim margin. Additional work by the “Committee on Uniform Procedures and Legislative Guidelines” (UPLG) has led to a recommended change to the model law to be presented for action at the NCEES meeting in September 2006.

In particular, the proposed changes to the model law deal with the educational requirements and would effective in 2015. The proposed addition to model law section 130.10 follows:

“Licensure by Examination (Effective January 1, 2015) The following individuals shall be admitted to an 8-hour written examination in the principles and practice of engineering:
(1) An engineer intern with a bachelor’s degree, with an additional 30 credits of acceptable upper-level undergraduate or graduate-level coursework from approved course providers, and with a specific record of an additional 4 years or more of progressive experience on engineering projects of a grade and a character which indicate to the board that the applicant may be competent to practice engineering.
(2) An engineer intern with a master’s degree in engineering from an institution that offers EAC/ABET accredited programs, or the equivalent, and with a specific record of an additional 3 years or more of progressive experience on engineering projects of a grade and a character which indicate to the board that the applicant may be competent to practice engineering.
(3) An engineer intern with a doctorate in engineering acceptable to the board and with a specific record of an additional 2 years or more of progressive experience on engineering projects of a grade and a character which indicate to the board that the applicant may be competent to practice engineering.
(4) An individual with a doctorate in engineering acceptable to the board and with a specific record of an additional 4 years or more of progressive experience on engineering projects of a grade and a character which indicate to the board that the applicant may be competent to practice engineering.”

Note that the minimum educational requirement for sitting for the Principles and Practices Examination include 30 additional semester credits beyond an ABET EAC accredited bachelors program or a Masters degree. It should also be noted that a Masters degree reduces the practical experience requirement by a year. Also note that an Engineering PhD with 4 years of practical experience is excused from the Fundamentals of Engineering Examination. A Doctorate in Engineering who has taken the Fundamentals of Engineering Examination has the practical experience requirement reduced by two years. These reductions in practical experience requirements are not in the current model law (approved November 2004), but similar reductions appear in current Pennsylvania law.

The ELQTTF report of 2003 recommended changes comparable to those currently proposed and provides several rationales in support. The increased educational requirements have also been recommended by some professional societies, particularly the American Society of Civil Engineers who documented their rationale in a report entitled “Civil Engineering Body of Knowledge for the 21st Century – Preparing the Civil Engineer for the Future” in January 2004.iii Support for increasing the educational requirements for licensure is not universal, however some societies, such as the Institute for Electrical and Electronic Engineers (IEEE) do have policies that encourage a Masters degree as the professional degree for practice.iv

This report will examine the rationale behind the proposed changes, the role of ABET, Inc. and the practical effect of the change with the intention of developing a position for the Pennsylvania Society for Professional Engineers (PSPE). As all reports have a perspective, the guiding principle used in the preparation of this report is the fundamental purpose of licensure: to protect the public safety.
DRAFT for Comment

The Three Legs of Licensure

Historically the public was protected by require licensure to practice and basing the judgment of competency on three separate legs: education, practical experience, and examination. While the Registration Board in Pennsylvania is authorized to examine engineering curricula and approve colleges of engineering, it has historically chosen to use ABET accreditation as the indicator of acceptability. This practice is followed in most other jurisdictions and is embodied in the NCEES model law with specific reference to the Engineering Accreditation Commission of ABET. It should be noted that ABET has other commissions, including the Technology Accreditation Commission which deals with Engineering Technology programs. Pennsylvania is one of several states that permits licensure of individuals with Engineering Technology (as opposed to Engineering) degrees. No additional education beyond the bachelors level is required for licensure in Pennsylvania.

The second leg, experience, is codified in the licensure act (Act 397 for Pennsylvania). Current law in Pennsylvania requires four years of satisfactory engineering experience before being permitted to sit for the Principles and Practices Examination. A deduction of one year from the four year minimum for each graduate degree in the same discipline is permitted. Current Pennsylvania law is reasonably consistent in this regard with the proposed changes to the NCESS model law.

The third leg is examination. The normal path to licensure requires two 8 hour examinations, developed by NCEES. The first examination, Fundamentals of Engineering, is usually administered at or near graduation from an ABET accredited engineering program (bachelors level). The second examination is the Principles and Practice of Engineering examination and is taken after the required experience has been accomplished and approved by the Board. The changes proposed to the model law require formal education beyond the bachelors level prior to sitting for the Principles and Practices examination.

Historically these three legs have provided satisfactory service to the public by preventing unlicensed and unqualified individuals from practicing engineering in the Commonwealth.

Trends in Engineering Education

In the last few decades the traditional engineering education curricula have changed in response to the needs of the constituencies of the Universities providing the education. The body of engineering knowledge has been expanding at a horrific rate, resulting in an expansion of specialties beyond the traditional Civil, Mechanical, Electrical, Chemical, and Mining. Today the Principles and Practice Examination comes in almost two dozen flavors with several proposals for additional versions being considered. This explosive growth in knowledge and new fields of study has resulted in an engineering education that is not as broad, but more specialized than ever before. Another trend is the move towards interdisciplinary programs that blend portions of various subspecialties into new subspecialties.

Another trend, which is emphasized in the rationale for the changes to the model law, is for less class work in Bachelors programs. Four decades ago a typical engineering bachelor degree contained about 150 semester credit hours. Today programs typically range from 120 to 130 semester credit hours. Typical student loads have dropped from 18 – 22 credits per semester to 15 – 18. The likely pedagogical effect of this “lightened” course load is an improved learning experience; however there is a penalty in that fewer topics can be covered in the program.

ABET has played an important role in engineering education by responding to the needs of its constituencies. In the last 6 years the criteria for judging a program for accreditation purposes has undergone a monumental shift in philosophy. In previous years the curriculum was more or less rigidly prescribed by the accreditation commission and programs were measured on their adherence to the prescribed course requirements. This became problematical as the number of engineering subspecialties grew along with the interdisciplinary program growth. In short, institutions were having great difficulty trying to be flexible in accommodating new knowledge and at the same time conforming to the old, constraining model of curricula. It should be noted that only about 20% of engineering graduates pursue licensure, thus ABET’s role is much broader than just being the education guardian of the licensure process.
DRAFT for Comment

EC2000 criteria (and also the TC2k criteria for engineering technology programs) invoked a leap to a new philosophy. The criteria no longer specified courses to be taken, but rather requires institutions to implement two continuous improvement processes. One of these processes defined, with all the stakeholders, program objectives. These objectives are broad statements of what graduates should be able to accomplish within a few years of graduation. From these objectives, program outcomes are defined. These program outcomes are more specific statements of what a graduate should be able to accomplish at the time of graduation, including specific skills and knowledge sets. From the outcomes, curricula are developed and become the basis for study in the program.

Lest one think that this enabled a “free for all”, EC2000 does specify specific outcomes in two ways. First there is a general set of outcomes required of every program and then there are specific outcomes required for programs with a certain set of words in the program name. An example of this second type of outcome is the program specific criterion for Electrical/Computer Engineering which specifies:

“The program must demonstrate that graduates have: knowledge of probability and statistics, including applications appropriate to the program name and objectives; and knowledge of mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, as appropriate to program objectives. Programs containing the modifier “electrical” in the title must also demonstrate that graduates have a knowledge of advanced mathematics, typically including differential equations, linear algebra, complex variables, and discrete mathematics.”

The general outcomes required are 11 in number and are as follows:

“Engineering programs must demonstrate that their students attain:
(a) an ability to apply knowledge of mathematics, science, and engineering
(b) an ability to design and conduct experiments, as well as to analyze and interpret data
(c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
(d) an ability to function on multi-disciplinary teams
(e) an ability to identify, formulate, and solve engineering problems
(f) an understanding of professional and ethical responsibility
(g) an ability to communicate effectively
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
(i) a recognition of the need for, and an ability to engage in life-long learning
(j) a knowledge of contemporary issues
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

In addition, an engineering program must demonstrate that its students attain any additional outcomes articulated by the program to foster achievement of its education objectives.”

These general outcomes are required of every engineering program and represent the core set of skills and knowledge required for the attainment of an engineering degree.

In addition to determining outcomes and objectives, programs must have a functioning continuous improvement process. This means that programs must measure their outcomes and objectives, compare those measures with desired results, and have a working process to improve the program based upon the assessment. The philosophy behind this approach is that if the constituencies are satisfied with the results and there is place a continuous improvement process that is working, then the program is acceptable. This type of approach is consistent with current engineering thought.

ABET does not, in general, examine graduate programs. The exception to this is a small number of programs that lead to a masters degree without ever granting a bachelors degree. Generally ABET does engineering accreditation
Rationale for Change

The world has changed...

The main rationale for expanding the educational requirements for licensure is found in the introduction to the “Body of Knowledge” report of the ASCE.

"Today’s world is fundamentally challenging the way civil engineering is practiced. Complexity arises in every aspect of projects, from pre-project planning with varied stakeholders to building with minimum environmental and community disturbance. Addressing this increased complexity will require understanding and solving problems at the boundaries of traditional disciplines. At the same time, reductions in credit hours required for graduation are making the current four-year bachelor’s degree inadequate formal academic preparation for the practice of civil engineering at a professional level in the 21st century.""**

Other professional societies, such as the IEEE, have also expressed the view that the current bachelor degree is or is becoming inadequate for professional practice. While it likely that this view would result in a consensus among practicing engineers, the question arises as to the proper forum for driving this desired change. Recall that the motivation for professional licensure is to protect the public safety. No evidence is presented that the public safety is best served by increasing the educational requirements for licensure. In fact, there is some evidence that such a change is not necessary. Several states have extended licensure beyond the traditional realm of an EAC of ABET bachelor degree to include degrees accredited by TAC of ABET. Typical TAC programs are less theoretical and more practically oriented and contain considerably less mathematics and science coursework. Typically they also more focused on a particular discipline, as opposed to a large core curriculum of science and mathematics. These differences have resulted in lower average test scores, particularly for the Fundamentals of Engineering Examination, but documented instances of reduced safety to the public are hard to come by. It is likely that this is due to diligence on part of practitioners not to practice beyond their realm of competence. State boards that allow the licensure of TAC of ABET degree holders would certainly cease the practice if evidence of reduced public safety were present. It should be noted that the current model law specifies an EAC of ABET accredited degree and does not allow for licensing of TAC of ABET degree holders.

Changing the educational requirements, as proposed, would seriously impede the licensure of TAC of ABET degree holders. There currently exist only a very small number of master degree programs in engineering technology and graduate programs in engineering typically do not accept engineering technology undergraduate degree holders (the limited mathematics and science credits in technology programs is a reasonable rationale for this position).

Common Core Subject Matter

Another observation that can made concerning the shortening, in terms of semester credits, of engineering programs is that many of the “core” engineering courses have been eliminated in favor of more specialization. Section 7.1.4 of the ELQTF report states:

“Reduction of Core Subjects. There has been a reduction in the number of core engineering subjects for most disciplines. The “generic” engineering license is based on the presumption that all engineering programs have a common core. Without this common core, generic licensure could be questioned and found to be unsupportable in the future. In addition, the current engineering criteria (EC-2000) allows more specialization and requires less common core knowledge.”**

As rationale for requiring addition education credits beyond the bachelor level, the proposed licensing changes will not address this issue. Students are not inclined to use graduate credits to broaden their perspective by taking “core” courses that were not included in their undergraduate program. Simply requiring more courses does not imply that even more specialization will not occur. It should be noted that the elimination of core course requirements by ABET in the EC2000 criteria was opposed by NCEES and represents a point of dissatisfaction to this day.
Specialization

The ELQTF report addressed specialization in engineering education as follows:

"Specialization/Splintering. Specialization in engineering is creating many new disciplines and subdisciplines. This pressures the examination program to create licensing opportunities for more disciplines. Policies constraining the existing exam structure limit its applicability to new disciplines. Broad exams may test some students on many topics they have never studied, thereby making students reluctant to attempt the exam and the professors and department chairs reluctant to encourage their students to take the exam. The result is decreasing exam usage and fewer licensing opportunities."
xix

Again, the proposal will not affect any change in this situation. It is likely that the requirement for additional education will result in more specialization, not the inclusion of "core" subject matter. The impact of the increased expenditure of time and effort to obtain the more stringent education requirements will also likely have an deleterious impact on the number of students pursuing licensure.

Reduction in Program Credits in Engineering Education

The ELQTF addressed this issue as follows:

"Engineering Education. Engineering education is falling behind other professions in preparing students for practice. There has been a persistent decrease in the credit hours required for an engineering degree over the past several decades. At present, the nominal (but nonuniform) requirement is 128 semester hours, corresponding to an eight-semester (four-year) program of four to six courses per semester. Based on national averages, 128 semester hours represent the low point on a downward trend—driven partly by a state centered desire to make the educational process as cost-efficient as possible and to compete for students across state lines—at least insofar as public institutions are concerned. This inexorable decrease in credit hours, coupled with ABET requirements for more and more of those credit hours for important but nontechnical professional training, represents a net national loss in the depth of engineering education in core subjects. Engineering education must properly prepare students for engineering practice, especially in two areas by (1) providing professional practice skills and (2) providing the appropriate breadth of technical subjects. The task force agrees that additional education beyond the current 128 +/- credit-hour programs is necessary in the future to prepare students for engineering practice at the professional level."xviii

The notion that "important but nontechnical" training is consuming large portions of the engineering programs accredited by EAC of ABET is an area of disagreement. EAC of ABET criteria require only "a general education component that complements the technical content of the curriculum and is consistent with the program and institution objectives."xix The same criterion also requires that: "Students must be prepared for engineering practice through the curriculum culminating in a major design experience based on the knowledge and skills acquired in earlier course work and incorporating appropriate engineering standards and multiple realistic constraints."xx While individual programs have latitude in curriculum design, it is not universal that technical subjects have been eliminated so that other non-technical subjects can be placed in the program. In any event, it is not clear that the proposed change to licensure requirements will change this situation at all, let alone in the desired direction.

Licensed Educators

Licensure of engineering faculty has always been a controversial issue. The ELQTF report states:

"Licensed Educators. Compared to years past, a relatively low ratio of licensed educators teach in today's engineering programs. Students may complete academic programs without exposure to the concept and value of licensure in engineering, only to encounter licensure requirements later in their career without the proper preparation. Some educators assign little value to licensure; therefore, many students do not hear about it, understand it, or embrace it."xxi

The presence or absence of licensed faculty does indeed have an impact on the licensing rate of graduates. Faculty are supposed to foster a professional attitude in their students and supporting the licensure of graduates is just one
part of that role. It appears that the reduction in experience requirements in the proposal (PhDs in Engineering who have taken the Fundamentals of Engineering Examination only need two years experience to sit for the Principles and Practices Examination) is an incentive for faculty to become licensed. As licensure is not a legal requirement for engineering faculty, the impact of this incentive is difficult to determine. The opposite side of the coin is that reduction in the experience requirement may weaken that leg of the licensure system.

Conclusions

There is a general view that the engineering world is changing rapidly. The body of knowledge is increasing and specialization is rapidly expanding the number of engineering disciplines. It is not clear that the current licensure system can adapt to these changes without radical overhaul. The proposed changes to the NCEES model law in the realm of education attempt to recognize the need for reform, but in a way that is somewhat less than satisfactory.

The main goal of the licensure system is to safeguard the public safety. There is scant evidence that the public safety is currently being compromised by the current educational requirements, thus undermining the need for change. The proposed change will not be benign as it requires extensive expenditures of time and money by prospective licensees. It will also virtually preclude engineering technology graduates from pursuing licensure.

Yet the need for engineering to develop a professional degree program that is lengthier than the current bachelor’s program is real. The IEEE position that this is a long term goal that should not be disruptive to current regulatory systems seems prudent. The real question is the method of promoting the desired changes in professional education. To this extent it should be noted that only about 20% of engineering graduates pursue licensure, however the effect of model law changes on the educational system can be much greater. The other side of the coin is that, until the masters level degree becomes the professional practice (with or without licensure) requirement for all engineers, the number of engineers pursuing licensure may dramatically drop.

Other avenues of change are in the same quandary. ABET has, in order to accommodate the increase in the body of knowledge and specialization, adopted a non-prescriptive set of accreditation criteria. Alas, ABET serves many masters and the struggle to move engineering education from the bachelor’s level to the master’s level is going to be a long, hard road to travel. There is a strong desire on the part of the public (and the elected politicians who support our public universities) to minimize expenses (both in dollars and time) required for professional education. This influence alone could result in a significant loss of new engineers if this proposal is adopted.

Thus we find ourselves between the proverbial rock and the hard place. To implement this change is fraught with the danger of diminished numbers of qualified professionals to safeguard the public safety in the future. Not to implement it has the serious potential of leaving in place an obsolete and perhaps ineffective process for professional preparation.

The task force recommendation is to move the profession forward, despite the high risks, and support this change to the model law. To be consistent, PSPE should also support changes to the Pennsylvania Law to incorporate these changes to the model law. The one exception that the task force would like to make is that the elimination of the requirement for the Fundamentals of Engineering Examination for PhDs with 4 or more years of experience, paragraph 4 of the proposal,\textsuperscript{viii} should be deleted. If we truly believe that a “core” of engineering knowledge is a requirement for practice and believe the evidence that the educational system is not necessarily providing it, it should be verified by examination.

Respectfully submitted,

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May-June PE Reporter, page 10.

http://www.asce.org/professional/educ/bodyofknowledge.cfm

Conversaion with Dr. Moshe Kam, Vice-president for Educational Activities, IEEE, August 18, 2006

There is currently under consideration by the Legislature of a change to require continuing education after
licensure, but this does not require advance degrees.

Pennsylvania Act 367, section 4.2 (d)

“Criteria for Electrical, Computer and Similarly Named Programs”, Criteria for Accrediting Engineering

Available at http://www.abet.org.

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May-June PE Reporter, page 10.
PSPE 2007
State Conference
Richard P. Aulenbach PE

Status Report
- Status of Conference Planning September 2006

Decisions
- Date Established May 31, 2007 thru June 3, 2007
- Location Reading, PA
- Reading Chapter Hosting the event
- Rick Aulenbach, Chairman

HOTEL
- Location selected
  - The INN at Reading

Event Planning
- Invitation for volunteers to assist in planning and selection of speakers
- Intention is to provide some new and interesting elements to the conference

Keynote Speaker
- Tom McMahon PE
  - Tom is a Past President of the Reading Chapter PSPE
  - Tom is currently Mayor of Reading
  - Tom is a dynamic and enthusiastic leader spearheading the cause of finding solutions to the social and economic problems facing Reading as well as most PA cities.

Ideas
- Local University locations for breakout sessions
- Some participation and involvement with students to expose healthy positive career opportunities in ENGINEERING
- Introduce an activity of fun for spouses and family to make the trip to the conference worth traveling for.
- Establish a yearly message and goal for all PA engineers.

Next Steps
- Establish and plan the details for the daily schedule of events
- Develop the schedule and timeline for all aspects of executing the requirements needed to complete the conference.