



Minutes

**The fourteenth meeting of the Repeal of the Industrial Exception Task Force
Tuesday, March 27, 2012 at 5:15 p.m.
Room 507-A, PEO Offices, 40 Sheppard Ave. W., Toronto**

Present: Mr. Peter Broad, P.Eng. (Chair)
Mr. Clarence Klassen, P.Eng.
Mr. James Lowe, P.Eng.
Mr. Thomas Chong, P.Eng.
Mr. Duncan Blachford, P.Eng. (Vice-Chair) (by teleconference)
Mr. Phil Smith (by teleconference)
Mr. Ahmad Khadra, EIT (by teleconference)
Ms. Stela Stevandic, P.Eng. (by teleconference)
Ms. Tracy McColl-Galizia, P.Eng. (by teleconference)

Absent: Mr. Wayne Kershaw, P.Eng.
Mr. Chris Maltby, P.Eng.
Mr. Ken Warden, P.Eng.
Mr. Tilak Gunaratne, P.Eng.
Mr. David Adams, P.Eng.
Mr. Michael Wesa, P.Eng.
Mr. Julien Samson, P.Eng.
Mr. Eduard Guerra, P.Eng.
Ms. Rane Mahalingam, P.Eng.
Mr. Chirag Shah, EIT

Staff: Mr. Steven Haddock (Staff advisor, Secretary)
Ms. Marisa Sterling (Staff advisor)
Ms. Maria Ianonne (Staff support)
Mr. Michael Price, P.Eng. (Deputy Registrar, Licensing & Finance)

Guest: Mr. Roger Jones, P.Eng.

1. Welcome and Call to Order

The meeting was called to order at 5:25 p.m. with Mr. Broad in the Chair.

2. Approval of Consent Agenda

It was moved by T. Chong, P.Eng., seconded by P. Smith

- a. **That the Agenda be approved**
- b. **That the Minutes of the meeting of February 21, 2012 be approved without amendment**
- c. **That the Task Force receive an update on the Communications Plan**
- d. **That the Task Force receive an update on the CEO Expert List**
- e. **That the Task Force receives a report on the staff briefing held Mar. 21-22**

CARRIED

3. PEO Licensing Overview – Michael Price, P.Eng., Deputy Registrar

Please see Mr. Price's PowerPoint presentation, attached as Appendix "A"

Mr. Classen arrived at 5:30 p.m.

Mr. Blachford arrived by teleconference at 5:39 p.m.

Mr. Price explained a person who is not resident in Ontario can still get credit for time worked in a Canadian jurisdiction as long as they are working for a company headquartered in Canada under the supervision of a professional engineer licensed in a Canadian jurisdiction. PEO Council is also discussing a monitoring program for individuals who are not currently working under the supervision of a professional engineer.

Mr. Price explained that although the experience for a limited license must be under the "direct supervision" of a professional engineer, the experience for a license must only be under the "supervision" of a person who is legally engaged in the practice of professional engineering. That may include persons who are currently taking advantage of the industrial exception.

Mr. Price estimated a CEAB applicant could complete the application process in six months in the best case, but they might not have the four years of experience. A non-CEAB graduate could take about 12-14 months in the best case (depending on whether they need an interview), but may need about 8 years if they have a lot of exams to complete. However, they are more likely to have relevant experience. For a limited license holder, the main problem is defining their scope of practice. In most cases, they take fewer than 12 months.

Mr. Price did not believe extra applications that might come in to comply with the repeal would be a problem for licensing unless the number rose into the thousands. Our current process is applicant driven, but if PEO wants to pursue applicants to complete the licensure process, it would require more resources.

4. Recommended proclamation date and enforcement procedures

It appears the Ontario government is waiting for PEO's advice on when proclamation of the repeal should be announced. It was felt that the second anniversary of royal assent would be the appropriate date at this point.

Mr. Ahmed left the meeting at 6:29 p.m.

Ms. Stevandic left the meeting at 6:29 p.m.

Mr. Smith expressed concerns that twelve months to comply after proclamation may be inadequate.

Mr. Price suggested that an exemption could be created in the regulations under the power of s. 12(3)(d) of the Act to allow practice by persons working under a compliance plan. He also suggested the regulation could be changed to allow unlicensed persons to act as references as long as they were previously working under the industrial exception.

Staff is also looking at a risk profile assessment scheme to determine whether the compliance timelines can be altered depending on the risk posed by the industrial processes working under the exception.

It was moved by C. Klassen, P.Eng., seconded by T. McColl, P.Eng.

That the CEO/Registrar request the Attorney General of Ontario to proclaim the repeal of section 12.(3)(a) to be effective on October 25, 2012, two years after the repeal received Royal Assent.

CARRIED

It was moved by T. Chong, P.Eng. seconded by C. Klassen, P.Eng.

That the RIETF prepare an enforcement procedure that would allow companies and individuals who submit a compliance plan that is acceptable to PEO prior to proclamation of the repeal of section 12.(3)(a) additional time, up to 12 months, to comply, should they meet the objectives set out in the plan.

CARRIED, one opposed

5. Review of case study by Mr. Klassen on definition of professional engineering

Mr. Price left the meeting at 7:02 p.m.

It was agreed that this matter should be deferred to the next meeting.

6. Presentation on the Take Back Manufacturing initiative

Mr. Roger Jones, P.Eng. gave a presentation on the Society of Manufacturing Engineers Toronto's "Take Back Manufacturing" initiative.

Mr. Jones's presentation can be found at

<http://sme-tbm.org/app/download/4864218804/TBM+Kick-off+9th+June+PDF.pdf>

Mr. Jones found the audience at the SME receptive to the repeal of the industrial exception because they saw it as an opportunity. The SME would like to associated with PEO given our reputation.

7. Date of Next Meeting

The next meeting was set for Tuesday, April 24, 2012. Meal and meeting times are to be announced.

8. Adjournment


The meeting was adjourned at 8:17 p.m.

Mr. Peter Broad, P.Eng., Chair

Mr. Steven Haddock, Secretary

APPENDIX “A” – MICHAEL PRICE PRESENTATION

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**Licensing Process
Presentation**

RIETF Meeting
March 27, 2012
by Michael R. Price, MBA, P.Eng.,
Deputy Registrar, Licensing and Finance

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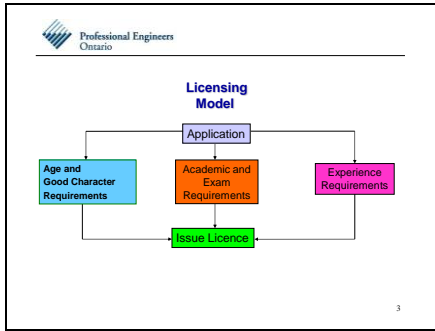
PEA Licence Requirements

14. (1) The Registrar shall issue a licence to a natural person who applies therefor in accordance with the regulations and,

- (a) is a citizen of Canada or has the status of a permanent resident of Canada;(repealed)
- (b) is not less than eighteen years of age;
- (c) has complied with the academic requirements specified in the regulations for the issuance of the licence and has passed such examinations as the Council has set or approved in accordance with the regulations or is exempted therefrom by the Council;
- (d) has complied with the experience requirements specified in the regulations for the issuance of the licence; and
- (e) is of good character. R.S.O. 1990, c. P.28, s. 14 (1).

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The slide features the Professional Engineers Ontario logo at the top left. The title "P. Eng. Licence Requirements" is centered. Below the title, a paragraph states: "To be granted a licence to practice professional engineering the applicant must:". This is followed by a bulleted list of requirements. A small number "4" is in the bottom right corner.

P. Eng. Licence Requirements

To be granted a licence to practice professional engineering the applicant must:

- be at least 18 Years of Age
- be of Good Character
- pay all Applicable Fees
- have met the Academic Requirements
- have successfully completed PEO's Professional Practice Examination
- have met the Experience Requirements

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Academic and Examination Requirements

Academic and Examination Requirements for Licensing
Consists of Two Parts:

- Academic Requirements and Technical Exams
- Professional Practice Exam

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Academic Regulations

33. (1) Each applicant for a licence shall comply with the following rules:

1. The applicant shall demonstrate that he or she has obtained,
 - i. a bachelor's degree in an engineering program from a Canadian university that is accredited to the Council's satisfaction, or
 - ii. equivalent engineering educational qualifications recognized by the Council.

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Academic Requirements


CEAB Applications

i) A bachelor's degree in an engineering program from a Canadian university that is accredited to the Council's satisfaction

- 2,558 applications in 2011
- Assessed by Staff
- Meet Academic Requirements without writing Technical Exams

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Academic Requirements


Non-CEAB Applications

ii.) equivalent engineering educational qualifications recognized by the Council

- 1,703 applications in 2011
- Assessed by Staff and/or the Academic Requirements Committee (ARC)
- To Meet Academic Requirements may require Passing Technical Exams

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Academic Requirements

Non-CEAB Applications can be grouped under four Academic Assessment Outcomes:

1. Exempt from Technical Exams
2. Assigned Confirmatory Technical Exam Program
3. Assigned Gap Technical Exam Program
4. Rejected as Not Meeting Minimum Academic Requirements to be licenced

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1) Exempt from Technical Examinations

All Exemptions Made by Academic Requirements Committee

- Typically Exempt Applicants Have:
 - Post-Graduate Engineering Degree from an Accredited Canadian University or
 - Bachelor of Engineering Degree from Mutual Recognition Agreement Accredited Foreign University

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2) Assigned Confirmatory Examinations

- Applicants Meet the CEQB Syllabus for his/her Discipline of Engineering
- Assigned 4 Exam Program to Demonstrate that the Content of the Applicants Engineering Studies are Equivalent to a CEAB Engineering Program
- Applicants with More Than 5 Years Engineering Experience are Referred to Experience Requirements Committee (ERC) for a Confirmatory Exam Interview

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ERC Confirmatory Exam Interviews

- ARC Refers Applicants to ERC "Outcomes" Assessment Interview of Applicant's Qualifications to Confirm if the Applicant's Knowledge, Skills, Ability to Apply Engineering Principles and Level of Judgment Warrant the Waiving of the Confirmatory Examination Program.
- About 60% of Applicants have the Confirmatory Exam Program Waived based on ERC Interview Recommendation

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3) Assigned Gap Technical Exams

- Applicants are assessed by comparison to the academic preparation of CEAB accredited engineering programs through the PEO Syllabus
- Applicants who do not have full coverage for all the courses specified in the PEO Syllabus are assigned gap technical exams to remedy deficiencies
- Assigned Specific Exam Program

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4) Not Meeting Minimum Academic Requirements

- Council Approved:
The minimum Academic Requirement to enter the technical examination program is graduation from a three-year engineering technology program or a three-year university science degree in a relevant field.
- Applicants rejected by Academic Requirements Committee (ARC) as not meeting Minimum Academic Requirements

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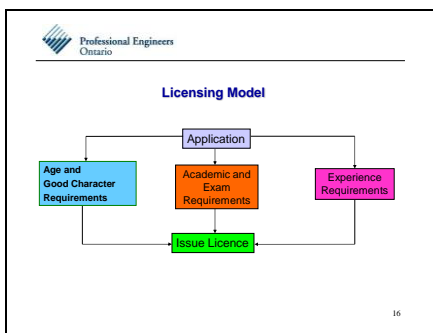
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Professional Practice Exam

- The Professional Practice Exam (PPE) Consists of an Examination of Law and Ethics for the Practice of Professional Engineering in Ontario
- The PPE Must be Passed by All Applicants for Licensure

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Experience Requirements

- 48 Months of Experience in the Practice of Professional Engineering, that meets the Generally Accepted Standards of Practical Skill required to engage in the Practice of Professional Engineering
- 12 Months of the Experience must be in a Canadian Jurisdiction

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Experience Criteria

- Application of Theory
- Practical Experience
- Management of Engineering
- Communication Skills
- Awareness of the Social Implications of Engineering

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Experience Evaluation

- 3 References
 - 1 from Supervisor
 - 2 P. Engs
- Staff Review and/or ERC Interviews

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Summary of P. Eng. Licence Requirements

To be granted a licence to practice professional engineering the applicant must:

- 18 Years of Age
- Good Character
- Pay all Applicable Fees
- Academic Requirements
- Passed PEO's Professional Practice Examination
- Experience Requirements

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Limited Licence Requirements

To be granted a limited licence to practice professional engineering the applicant must:

- have met the Limited Licence Academic Requirements
- have met the Limited Licence Experience Requirements
- pay all Applicable Fees
- have successfully completed PEO's Professional Practice Examination
- be of Good Character

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Limited Licence Academic Requirements

46. (1) The requirements and qualifications for the issuance of a Limited Licence are:

1. One or more of the following:
 - i. A three-year diploma in engineering technology or a Bachelor of Technology degree in engineering technology from an institution approved by Council.
 - ii. A four year-honours science degree in a discipline and from a university approved by the Council.
 - iii. Academic qualification accepted by the Council as equivalent to a diploma or degree mentioned in subparagraph i or ii.

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Limited Licence Academic Assessments

- Academics initially Reviewed by Staff. Applicants that do not meet the Minimum Academic Requirements are advised by Staff
- 40 percent of Applicants are assessed by the Academic Requirements Committee (ARC)
- One applicant was Rejected by ARC in 2010.
- Either applicant meets or does not meet academic requirements
- No Technical Exams assigned

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Limited Licence Experience Requirements

46.(1)

2. Thirteen years of experience in engineering work acceptable to the Council, including the years spent in obtaining the post-secondary academic training referred to in paragraph 1 with at least one year of such experience under the supervision and direction of a Member or Members or under the supervision of a person authorized to practice professional engineering in the province or territory in Canada in which the experience was acquired and at least the last two years of the experience in the services within the practice of professional engineering to which the limited licence is to apply.

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Limited Licence Experience Assessments

- 3 References
 - 1 from Current Supervisor
 - 1 Past Supervisor
 - 2 P. Engs
- ERC Interview for All Limited Licence Applicants to determine Scope of Limited Licence and to Evaluate Engineering Experience

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Limited Licence ERC Interviews

- 1) Does the engineering service the applicant wishes to provide fall within the definition of professional engineering? That is, does the service relate to the safeguarding of life, health, property or the public welfare? Does the proposed work require the application of engineering principles?
- 2) Does the proposed engineering service the applicant wishes to provide constitute a "limited" professional engineering activity?
- 3) Does the applicant have the requisite engineering experience, background and knowledge to perform the service described in the proposed limitation?

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Limited Licence Applications - 2011

- 24 Applications (Not Including Limited Licence for Faculty Members)
- 14 ERC Interviews
- 10 Approved
- 1 Not Recommended by ERC because proposed work was not engineering
- 3 Not Recommended by ERC because applicant could not demonstrate sufficient ability to apply engineering principles to the proposed work

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Limited Licence Proposed Alternative Experience Requirements

Or

At least eleven years of experience in engineering work acceptable to the Council, including the years spent in obtaining the post-secondary academic training referred to in paragraph 1 with at least six years of the experience corresponding to the services within the practice of professional engineering to which the limited licence is to apply and at least four years of the experience being acquired in a Canadian jurisdiction under the supervision and direction of a Canadian professional engineer.

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Limited Licence Requirements

To be granted a Limited Licence to practice professional engineering the applicant must:

- have met the Limited Licence Academic Requirements
- have met the Limited Licence Experience Requirements
- pay all Applicable Fees
- have successfully completed PEO's Professional Practice Examination
- be of Good Character

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Discussion

Questions ???

Potential Support Ideas:

- on the jobsite Application Review and Submission
- on the jobsite PPE Sitting
- additional industrial engineering ERC members
- processing all applications by company as a bundle
- quarterly reporting to companies on licensing application status

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