

## Revised Minutes of the May 26, 2011 EDTF – NME Subgroup meeting

Room 210, 40 Sheppard Ave. West

**Participating:** Yuri Kuzyk, Brian Haydon (t/c), Peter DeVita (t/c), Gerry Margaritis(t/c), Laura Deakin, Jordan Max (staff advisor)

**Regrets:** Roger Jones, Corneliu Chisu, Alana Lavoie, Marios Ioannidis, John Yeow, Dave Adams

The meeting started at 4:10pm.

### 1. Review of agenda

The agenda was reviewed, and two items were added – appointment of a new Council Liaison (during the joint session with the CIE subgroup) and appointment of a new Vice-Chair for NME. As quorum was not achieved, the agenda was agreed to as amended.

### 2. Review of April 27, 2011 minutes and follow up on action items

The minutes were reviewed. The deadlines for respective sections of the Phase 2 report were reviewed, and the deadlines for Laura's and Yuri's sections were moved to June 2011. It was noted that Corneliu's sections needed to be determined due to his recent election to the House of Commons and his available time.

**Action: Gerry** to contact Corneliu with regard to his continuing on the task force and if so, the status of his sections for the Phase 2 report.

Laura asked about the item raised by Haridoss Sarma and when it would be put on the agenda. Jordan indicated that the chair had determined that the agenda was too full at this time.

**Action: Jordan** to re-send Haridoss' initial email to Laura.

Jordan presented the CEAB/CEQB joint response to our letter, as posted on Central Desktop and sent to the subgroup. There was general discussion about CEQB's position and whether it wanted to develop the National Syllabus or to let PEO do it. It was noted that they had asked John Yeow to do this work, but John is on sabbatical in China, so this might slow down the work.

**Action: Jordan** to draft a letter for Gerry to thank CEAB and CEQB for their response, and specifically to offer our sub-group's help with the National NME Syllabus since John is away.

### 3. Appointment of NME Vice-Chair

As Peter announced that he was reducing his role on NME, but would retain his position as Chair of the EDTF, Gerry would continue as chair of the NME subgroup, but there was a need for a Vice Chair for the NME subgroup. It was accepted that Yuri Kuzyk would be the new NME Subgroup Vice-Chair.

#### 4. Next meeting(s) date(s)

The next tentative dates were set as June 23, July 21, and September 8, from 4-6:30pm. If possible, each meeting will conclude with a joint dinner with the CIE subgroup.

#### 5. In-depth review of Phase 2 Report sections

In general, it was agreed that all sections must be drafted by the June meeting, and the entire draft document will be reviewed at the July 2011 meeting. The following comments were made with regard to each of the draft sections:

- a. **Summary of Phase 1 Report** - Jordan needs to get updated number of UofW graduates
- b. **Public Interest/Hazard Analysis** – Laura to add remediation release of nanomaterials for waste water treatment. She noted that Environment Canada doesn't consider nano-formulations as separate from their bulk version; we could call for changes to that effect; Environment Canada is waiting to see what the US EPA is going to do on nanomaterials; she also noted that the Universities of Guelph and Waterloo are forming a joint research group.

**Amended note: PEO should identify this as a regulatory gap in current legislation warranting further consideration by the proper authorities**

- c. **Current P.Eng. Practitioners Entering NME Field** – Jordan to add a guideline as the preferred entry “test” for P.Eng's going into NME – this could be justified as there are no currently licensed NME P.Eng.s to be able to assess work experience; we should consult with ARC and ERC about this approach, as it would be a precedent that doesn't currently apply to other P.Eng's who want to move into engineering disciplines beyond the one they were licensed under. It would be helpful to get information on where the UofW graduates are finding employment (perhaps Marios can help with this when he returns from sabbatical) **Action: Jordan** to check on UofW's admission requirement. NME group to add a practice standard as the entry threshold, including ISO standards.
- d. **Enforcement/Compliance – strategies/timelines** – Peter is to revise the draft based on comments received between meetings; there was considerable discussion about whether it was advisable for PEO to go into the inspection and certification of facilities, as those powers do not appear in the Professional Engineers Act; better options could include lobbying Health Canada to take on this role, or for changes to the Ontario Occupational Health and Safety Act's Pre-Start Health and Safety requirements that engineers have to meet (there is already a Professional Practice guideline on this report requirement); nonetheless, the section should address the current situation and any regulatory gaps.
- e. **NME Experience Requirements** – engineering intern program (Gerry/Yuri) – for next meeting
- f. **Non-engineer practitioners (e.g. limited licences)** (Corneliu) – pending response from Corneliu
- g. **Federal Government Regulatory Roles – legislation, substances, labeling requirements** (Laura/Alana) – presented, for discussion next meeting, including a summary of the current situation and regulatory gaps, Action: Brian to provide Laura with contact information for Health Canada people also working on the ISO groups. (Emily Hollink, Andy Atkinson, Elizabeth Nielsen)

- h. **Provincial Government Regulatory Roles – legislation, consumer protection** (Laura) - for discussion next meeting, including a summary of the current situation and regulatory gaps, particularly Ministry of Labour (Workplace Health and Safety)
  
- 6. **Review of Phase 2 report outlines (remainder)** – item is not necessary since all remaining draft sections will be presented in June.
  
- 7. **Appointment of Council Liaison**  
Since Corneliu is no longer on PEO Council, we need to appoint a new Council Liaison. It was recommended that Roger Jones be asked if he wanted to take on this role, as he is both a member of the task force and Council. **Action: Peter** to ask Roger if he wants to be the new Council Liaison for EDTF.
  
- 8. **Dinner and informal discussion (with CIE subgroup)**  
George Comrie gave a brief update on the CIE's progress on stakeholder consultation. George suggested that "Synthetic Biology" is a new emerging field that may be considered in the future by PEO's Emerging Disciplines Committee. Also it was discussed to propose to PEO Council the establishment of a "Standing Emerging Disciplines Committee" to keep updated and watch for new developments in emerging new technologies/Engineering disciplines. It was also suggested that the CIE and NME processes be used as a template for future Emerging Disciplines work.

The meeting was adjourned at 6:45pm.

## Revised Phase 2 Report Review Schedule

| Section Title   | Lead Author(s)        | TF Review Date    |
|---|-----------------------|-------------------|
| <b>1. Executive Summary</b>   | Jordan                | <u>TBD</u>        |
| <b>2. Summary of Phase 1 Report</b>   | Jordan                | <u>April 2011</u> |
| <b>3. Public Interest – Hazard Analysis</b>   | Laura                 | <u>April 2011</u> |
| <b>4. Scopes of Practice</b>  | Peter                 | <u>April 2011</u> |
| <b>5. Profile of the NME Industry and practitioners</b>   | Jordan                | <u>June 2011</u>  |
| <b>6. PEO Regulatory Issues:</b>  |                       |                   |
| a. NME Experience Requirements – engineering intern program   | Yuri/Gerry            | <u>June 2011</u>  |
| b. Current P.Eng. practitioners (use of CBOK for self-assessment to practice NME)   | Marios/Jordan         | <u>June 2011</u>  |
| c. Non-engineer practitioners (e.g. limited licences)   | Corneliu              | <u>June 2011?</u> |
| d. Foreign-trained NME graduates - involve CEQB   | Corneliu              | <u>June 2011</u>  |
| e. Compliance/Enforcement – strategies/timelines  | Peter                 | <u>June 2011</u>  |
| f. International/National and Professional standards and guidelines – needs analysis – address PSC criteria for developing standards/guidelines – <b>contact US universities (Gerry) – Berkeley, CalTech; new CSA standard for “competent person”</b> | Brian/Roger/<br>Gerry | <u>June 2011</u>  |
| g. Bioprocessing regulations in the biopharmaceutical industry (Good Manufacturing Processes) such as the BSI Standard on Handling and Disposal of Manufactured Nanomaterials   | Yuri                  | <u>June 2011</u>  |
| <b>7. Federal Government Regulatory Roles – legislation, substances, labeling requirements</b>  | Alana/Laura           | <u>June 2011</u>  |
| <b>8. Provincial Government Regulatory Roles – legislation, consumer protection</b>   | Laura                 | <u>June 2011</u>  |
| <b>9. University roles – adoption of CBOK by CEQB, Readiness to accredit NME by CEAB</b>  | John/Gerry            | <u>June 2011</u>  |
| <b>10. Industry roles – industry associations – adoption of standards – needs for emerging technologies</b>   | Brian                 | <u>June 2011</u>  |
| <b>11. Communications/Public Education Plan</b>   | Connie M.             | <u>July 2011</u>  |
| <b>12. Next Steps – National NME Licensing Strategy - Peter – APEGGA, OIQ</b>   | Peter                 | <u>July 2011</u>  |
| Appendix A – NME Stakeholders consulted   | Jordan                | <u>July 2011</u>  |
| Appendix B – List of Ontario industries/companies using NME   | Jordan                | <u>July 2011</u>  |